

2016-2021

CAPITAL IMPROVEMENTS PLAN

Resolution No. 15-126
Adopted by the City Council
on July 23, 2015

CITY OF DES MOINES
2016 – 2021
CAPITAL IMPROVEMENTS PLAN

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“You can avoid reality, but you cannot avoid the consequences of avoiding reality.”

Ayn Rand

INTRODUCTION

This document is the City of Des Moines's 2016 –2021 Capital Improvement Plan. The Capital Improvement Plan provides a multi-year list of proposed major capital and major repair expenditures for the city. This plan attempts to set funding strategies not only for the current year, but also for the next five years to project future needs for major construction, land acquisition and equipment needs that improve the cultural environment, capital infrastructure and recreational opportunities for the citizens of Des Moines. Capital expenditures are viewed not only in the context of how much the new project will cost, but also what impact the project will have on the city's operating budget.

OVERVIEW

Capital facilities planning and financing is subject to the State of Washington Growth Management Act of 1990 (GMA). The GMA requires communities to adopt comprehensive plans designed to guide the orderly development of growth over the next twenty years.

In accordance with GMA, the city has prepared its 2016-2021 Capital Improvement Plan ("CIP"). This plan provides long-range policy guidance for the development of capital improvements and identification of major repairs to accommodate orderly growth, set policy direction for capital improvements and ensure that needed capital facilities are provided in a timely manner.

The GMA requires the following elements in long term capital planning:

1. An inventory of existing publicly-owned capital facilities showing locations and capacities.
2. A forecast of the future needs for such capital facilities.
3. The proposed locations and capacities of expanded or new capital facilities.
4. A minimum six-year plan that will finance such capital facilities within projected funding capacities and clearly identifies sources of public money for such purposes.
5. A requirement to reassess the land-use element if probable funding falls short of meeting existing needs.

The 2016-2021 CIP is the result of step 4 listed above.

For financial and accounting purposes, municipal capital and operating funds are divided into two broad categories: general governmental and proprietary. General governmental activities are supported primarily by taxes and user fees, while proprietary activities rely primarily on fees generated from the sale of goods and services for their operations. Capital improvements for police, parks, and transportation are traditionally general governmental in nature, while those for surface water and marina are proprietary.

Revenue sources for general governmental capital improvements are constrained by legal limits on tax rates that can be charged to raise funds for capital improvements, and on the amount of general obligation debt (capacity) that can be issued to raise funds for capital improvements. Proprietary funds' revenue sources are less restricted in that user fees could be increased or revenue-backed debt issued with the approval of the legislative body.

In addition, general governmental capital funding for improvements that rely on voter-approved bond issues creates uncertainty of when or if certain projects will take place.

CIP PROJECT CRITERIA

Capital expenditures include expenditures for buildings, land, major equipment, and other commodities that are of significant value (greater than \$25,000) and have a useful life of at least five years. Anticipated major repairs/maintenance greater than \$25,000 have also been included. The next year of capital spending and projects which do not meet the capital criteria are included in the annual Operating Budget.

The Capital Improvement Plan (CIP) lists each proposed project to be undertaken, the year in which it will be started, the amount expected to be expended in each year and the proposed method of financing these expenditures. Based on these details, summaries of project activities in each year can be prepared, as well as summaries of financial requirements, such as amounts of general obligation bonds to be issued, amounts of general operation funds required and any anticipated intergovernmental support, etc.

The capital improvement budget is enacted annually based on the capital improvement plan. It appropriates funding for the projects in the first year of the capital improvement plan as well as any projects started but not yet complete.

Flexibility is built into the capital improvement plan to allow for delay of projects when financing constraints make it impossible to allow for funding of the entire array of projects and to move future projects forward when financial availability makes it possible. The CIP is updated at least annually.

WHY PLAN FOR CAPITAL FACILITIES?

Project planning provides several advantages to the community:

- It facilitates repair or replacement of existing facilities before they fail. Failure is almost always more costly, time-consuming and disruptive than planned repair or replacement.
- It focuses community and the City Council's attention to priorities, goals, needs and capabilities. There are always more needs and competing projects than available funds. A good project plan forces the city to consciously set priorities between competing projects and interests.
- It provides a framework for decisions about community growth and development. Long-range planning for infrastructure needs allows the community to accommodate reasonable growth in new facilities while maintaining existing infrastructure, based on goals established through the planning process.
- It promotes a more efficient government operation. Coordination of projects can minimize disruption and reduce scheduling problems and conflicts between several projects. Related projects, such as sidewalks, drainage and roads, can be planned simultaneously.
- It helps distribute costs more equitably over a longer period of time, avoiding the need to impose spikes in tax financing. For example, new projects can be scheduled as current debt levels decline.
- It enhances opportunities for outside financial assistance. Adequate lead time allows for the opportunity to explore all avenues of outside grant funding with federal, state, and local financial assistance programs.

- It serves as an effective community education tool in conveying to the public that the City Council has made decisions that affect the future of the city and in its implementation provides guidance for development of the community.

FINANCIAL POLICIES & REVENUE SOURCES

The City Council has adopted policies that encourage fiscal responsibility while establishing reliable sources of funding for project expenditures on an ongoing basis. Described below are policies and revenues sources which support the CIP process.

Revenue Policies and Sources

- In 2012 City Council adopted Ordinance No. 1561 which was later amended by Ordinance No. 1607 in 2014, which defines one-time revenues and restricts the use of one-time revenues to fund municipal capital improvements projects.
- Rate studies in proprietary funds are conducted periodically to determine the adequacy of user charges and annual contributions for capital improvements. The Marina underwent a rate studies in 2006 and the Surface Water Management Utility completed its latest rate study in 2015. The City Council implemented a three-year phased-in approach of rate increases as proposed by the Surface Water Management Utility Rate Study. In 2007, the City Council approved Resolution No. 1028 adopting increases in Marina rates for through 2009. Subsequent rate changes for both the Marina and the Surface Water Management Utility are based on the CPI inflation index.
- Park in-lieu fees from single-family subdivisions and multi-family developments are used for the acquisition and development of neighborhood parks determined necessary as a consequence of the proposed development, or for designated community parks.
- Transportation Impact Fees are used to pay for past and future payments of capital expenditures for growth related transportation improvements and are also available to repay the debt service on bonds or loans financed for growth related transportation improvements
- Twenty-five percent (25%) of vehicle fuel tax revenues will be transferred annually from the Street Fund to the Transportation Capital Improvement Fund for transportation capital improvements. This requirement was suspended for 2015 by Res. 1280, which adopted the 2015-2020 CIP.

Debt Management Policies:

- The city shall determine the most advantageous financing method for all new projects. Whenever possible, the city shall identify alternative sources of funding and shall examine the availability of all sources in order to minimize the level of debt.
- Pay-as-you-go financing of capital improvements shall be utilized whenever possible.
- The city shall utilize intergovernmental contribution, when available, to finance capital improvements that are consistent with the goals and priorities of the city.

- The scheduled maturities of long-term obligations shall not exceed the expected useful life of the capital project or asset financed.

CAPITAL IMPROVEMENT PLAN PROCESS

The capital improvement plan process is built around the following eight steps:

1. *Establish administrative and policy framework for capital programming and budgeting.* The first step in implementing an effective capital improvement planning and budget process is to establish the underlying organizational and policy framework within which the process operates. All requests for capital improvement projects are submitted to the Finance Department.

2. *Prepare inventory of existing facilities.* Each governmental unit compiles an inventory of its own physical plant. This helps to indicate the eventual need for renewal, replacements, expansion or retirement of some of the physical plant. This often is accomplished through a master plan process.

3. *Review the status of on-going projects.* The estimated costs of these projects are reviewed to ensure accuracy and monitor the funding necessary to complete the project.

4. *Perform financial analysis and financial programming.* Financial analysis involves the determination of the City of Des Moines' financial capability for major expenditures by examining past, present and future revenue, expenditures and municipal debt. The selection and scheduling of funding sources of these major expenditures is known as financial programming. Some of the important objectives of financial programming include:

- Smoothing the tax rate impacts
- Maintaining a preferred balance of debt service and current expenditures
- Determining debt capacity and appropriate debt service levels
- Maximizing intergovernmental aid relative to local expenditures

The intent is to come up with a level of project expenditures which the municipality can safely afford over the next several years while maintaining a minimal impact of the property tax rate and other municipal revenues.

5. *Compile and evaluate project requests.* Once the Finance Department has completed reviewing and summarizing the CIP requests, the CIP requests are then presented to the City Council Committees (Environment: Surface Water Management Capital Projects; Municipal Facilities: Parks, Administrative and Maintenance Facilities, and Marina Capital Projects; Public Safety and Transportation: Transportation Capital Projects) for review and prioritization based on the criteria contained in the Capital Project Criteria section.

6. *Adopt of the capital program and budget.* The City Council as a whole, reviews, modifies and adopts the Capital Improvement Plan in the summer. Continuing projects plus projects listed in the CIP to start the next fiscal year are included in the Capital Project Budget which council adopts (along with the Operating Budget) before the end of the current year.

7. *Monitoring the Capital Project Budget.* Monitoring the approved capital project budget requires appropriate actions from the Finance Department. Since capital projects often involve time-consuming activities such as bidding, site selection, and lengthy purchasing and construction delays, the actual implementation of projects may be completed somewhat later than the designated year. If funds are incomplete, it may be desirable to split the project over two funding years. An example of this would be completing the Engineering design and bid specification development in one year and the actual construction in the second year.

8. *Modifications.* Significant change in project scope, time or costs requires a budget amendment by the City Council.

CAPITAL PROJECT EVALUATION CRITERIA

Legal. A State or Federal mandate may require a project be implemented. Court orders and judgments concerning annexation property owners' rights, environmental protection, etc. are examples of legal requirements which may affect project prioritization.

Safety. Benefit to the environment, safety or public health of the community is evaluated. For example, all street projects concern public safety, but streets for which documented evidence of existing safety hazards are given higher priority.

Comprehensive Plan. Consistency with the city's Comprehensive Plan is important. Capital projects may directly or indirectly relate to comprehensive plan and should be consistent with the comprehensive plan.

Funding. The extent to which outside funding is available for a project or purchase is evaluated.

Related Project. Sometimes projects in one category are essential to the success of those in others. Related projects proposed by other departments or governmental jurisdictions may even affect a savings to a particular project. Coordination of street projects with utility programs within the city (or those planned by other jurisdictions) can reduce costs and minimize public inconvenience. A surface water line replacement needed in three years may be given a higher priority in order to coincide with a street resurfacing project needed immediately.

Efficiencies. Projects which substantially improve the quality of service at the same operating cost, or eliminate obsolete and inefficient facilities, or lower operating costs are given higher priority.

Economic Impact. A project may affect the local economy. Increases or decreases in property valuations may occur. Rapid growth in the area may increase the city's land acquisition costs if the project is deferred.

Public Support. Projects are generally more easily implemented if there is public demand and support for them.

“Each of us is carving a stone, erecting a column,
or cutting a piece of stained glass in the construction
of something much bigger than ourselves.”

Adrienne Clarkson

SUMMARY LISTING OF PROJECT EXPENDITURES AND FUNDING SOURCES

CITY OF DES MOINES
CIP COSTS SUMMARY: 2016-2021
(Amounts in Thousands)

Page #	Project Name	Total Budget	Project to Date 12/31/14	Sched Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
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GENERAL MUNICIPAL IMPROVEMENTS**Economic Development & Tourism Projects**

19	Redondo Paid Parking	150	-	-	-	-	150	-	-	-
21	Electronic Readerboards	100	-	-	-	50	-	50	-	-
17	N. Lot Fishing Pier Paid Parking	400	-	-	-	-	400	-	-	-
	Total Econ Dev & Tourism	650	-	-	-	50	550	50	-	-

Building Facility Projects

27	Council Chambers Lighting	25	-	-	25	-	-	-	-	-
29	LED Exterior Lighting	34	-	-	34	-	-	-	-	-
31	Activity Center Floor	20	-	-	20	-	-	-	-	-
33	Field House Roof	120	-	-	-	-	120	-	-	-
23	City Hall Generator	365	-	-	-	-	24	341	-	-
35	Founders' Lodge Exterior Paint	90	-	-	-	-	-	90	-	-
37	Engineer Bldg Windows	25	-	-	-	-	-	-	25	-
39	City Hall Canopy Repairs	55	-	-	-	-	-	-	55	-
41	Activity Center Exterior Paint	30	-	-	-	-	-	-	-	30
43	PW Service Center Interior Painting	60	-	-	-	-	-	-	-	60
45	Field House Interior Paint	35	-	-	-	-	-	-	-	35
47	Activity Center Irrigation/Landscape	65	-	-	-	-	-	-	-	65
25	City Hall Parking Lot	260	-	-	-	-	-	-	-	260
49	Police Dept Storage Building	445	-	-	-	-	-	-	-	445
	Total Building Facilities	1,629	-	-	79	-	144	431	80	895

Technology Projects

51	Financial System Replacement	250	-	-	100	150	-	-	-	-
	Total Technology	250	-	-	100	150	-	-	-	-

CIP COSTS SUMMARY: 2016-2021
 (Amounts in Thousands)

Page #	Project Name	Total Budget	Project to Date 12/31/14	Sched Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
<u>Park Facility Projects</u>										
53	BP Picnic Shelter/Restrooms	623	-	36	587	-	-	-	-	-
55	Field House Tennis Court	25	-	-	25	-	-	-	-	-
57	DMBP Sun Home Lodge Rehab	605	-	-	65	540	-	-	-	-
59	Cecil Powell Play Equipment	198	-	-	-	-	-	-	-	198
61	Westwood Play Equipment	68	-	-	-	-	-	-	-	68
63	Field House Skate Park	155	-	-	-	-	-	-	-	155
65	Wooton Park	240	-	-	-	-	-	-	-	240
67	Kiddy Park Play Equipment	210	-	-	-	-	-	-	-	210
69	SJU Irrig and Landscape	205	-	-	-	-	-	-	-	205
	Total City Wide Park Facilities	2,329	-	36	677	540	-	-	-	1,076
<u>Waterfront Facility Projects</u>										
71	North Lot & Beach Park Bulkheads	2,200	-	-	-	2,200	-	-	-	-
73	Redondo Floats	110	-	-	-	-	-	-	-	110
75	Redondo Restroom & Plaza	400	-	-	-	-	-	-	-	400
77	Marina Fishing Pier Restrooms	250	-	-	-	-	-	-	-	250
79	Redondo Fishing Pier Replace Decking	225	-	-	-	-	-	-	-	225
	Total Waterfront Facilities	3,185	-	-	-	2,200	-	-	-	985
<u>Transportation - Operating Projects</u>										
85	Pavement Preservation	2,244	-	59	60	425	425	425	425	425
87	Sidewalk Program	175	-	25	25	25	25	25	25	25
81	Arterial Traffic Calming Project	30	-	-	15	-	15	-	-	-
83	Guardrail Program	75	-	-	25	-	25	-	25	-
	Total Transport - O&M Projects	2,524	-	84	125	450	490	450	475	450
<u>Transportation - Capital Projects</u>										
89	Midway SRTS 24th Ave Sidewalk	388	24	27	337	-	-	-	-	-
91	24th Ave South Improvement	8,395	7,854	491	50	-	-	-	-	-
93	Gateway - S 216th Segment 1A	6,885	1,063	752	5,070	-	-	-	-	-
95	Marine View Dr Roundabout	2,190	29	23	175	863	1,100	-	-	-
97	Barnes Creek Trail	5,664	268	473	323	-	1,800	1,200	1,000	600
99	Redondo Board Walk Replacement	4,100	-	380	3,720	-	-	-	-	-
101	S 224th St Improvements	614	-	114	500	-	-	-	-	-
103	South 268th Street Sidewalk	580	-	60	520	-	-	-	-	-
105	16th Ave - Seg 5A	1,329	-	-	129	91	42	692	375	-
107	SeaTac Signal Improvements	350	-	-	-	150	200	-	-	-
109	South 216th - Segment 3	5,420	-	-	-	270	1,865	3,285	-	-
111	Redondo Area Street Improvements	70	-	-	-	-	70	-	-	-
113	South 240th Street Improve - Seg 1	6,300	-	-	-	-	-	-	735	5,565
115	South 240th Street Improve - Seg 2	4,850	-	-	-	-	-	-	435	4,415
117	Kent-Des Moines Rd - Seg 2	7,200	-	-	-	-	-	-	-	7,200
	Total Transport - Capital Projects	54,335	9,238	2,320	10,824	1,374	5,077	5,177	2,545	17,780
	Total General Municipal Improvements	64,902	9,238	2,440	11,805	4,764	6,261	6,108	3,100	21,186

CITY OF DES MOINES
CIP COSTS SUMMARY: 2016-2021
(Amounts in Thousands)

Page #	Project Name	Total Budget	Project to Date 12/31/14	Sched Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
MARINA CAPITAL IMPROVEMENTS										
119	Dock Electrical Replacements	300	-	-	60	60	-	60	60	60
121	Fuel Dispenser	60	-	-	-	-	60	-	-	-
	Total Marina	360	-	-	60	60	60	60	60	60
SURFACE WATER MANAGEMENT CAPITAL										
123	Barnes Crk/Kent-Des Moines Rd Culvert	1,594	17	94	323	1,160	-	-	-	-
125	Lower Massey Creek Channel Modification	1,909	260	163	1,486	-	-	-	-	-
127	24th Ave Pipeline Replacement/Upgrade	260	-	8	252	-	-	-	-	-
129	Pipe Replacement Program	1,361	-	-	-	49	328	328	328	328
131	1st Ave Pond Expansion	385	-	-	-	-	60	325	-	-
133	5th Ave/212th Street Pipe Upgrade	815	-	-	-	-	-	815	-	-
135	N. Fork McSorley Ck Diversion	432	-	-	-	-	-	-	432	-
137	6th Ave/239th Pipe Replacement	191	-	-	-	-	-	-	191	-
139	14th Ave (268th to 272nd) Pipe Upgrade	478	-	-	-	-	-	-	478	-
141	216th Pl/ Marine View Dr. Pipe Upgrade	309	-	-	-	-	-	-	-	309
143	KDM /16th Avenue Pipe Replacement	272	-	-	-	-	-	-	-	272
145	DMMD 208th to 212th Pipe Project	603	-	-	-	-	-	-	-	603
	Total Surface Water Mgmt	8,609	277	265	2,061	1,209	388	1,468	1,429	1,512
	TOTAL CITY WIDE	73,871	9,515	2,705	13,926	6,033	6,709	7,636	4,589	22,758

CITY OF DES MOINES
CIP REVENUE SOURCE SUMMARY: 2016-2021

(Amounts in Thousands)

Page #	Project Name	Total Budget	Project to Date 12/31/14	Sched Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	
GENERAL FUND											
51	Financial System Replacement	190		75	85	30	-	-	-	-	
	Total General Fund	190		75	85	30	-	-	-	-	
FACILITY REPAIR & REPLACEMENT											
27	Council Chambers Lighting	25		-	-	25	-	-	-	-	
29	LED Exterior Lighting	34		-	-	34	-	-	-	-	
31	Activity Center Floor	20		-	-	20	-	-	-	-	
33	Field House Roof	120		-	-	-	-	120	-	-	
35	Founders' Lodge Exterior Paint	90		-	-	-	-	-	90	-	
37	Engineer Bldg Windows	25		-	-	-	-	-	25	-	
39	City Hall Canopy Repairs	55		-	-	-	-	-	55	-	
41	Activity Center Exterior Paint	30		-	-	-	-	-	-	30	
45	Field House Interior Paint	35		-	-	-	-	-	-	35	
43	PW Service Center Interior Painting	60		-	-	-	-	-	-	60	
47	Activity Center Irrigation/Landscape	65		-	-	-	-	-	-	65	
	Total Facility Repair & Replacement	559		-	-	79	-	120	90	80	190
REET - 1st Quarter %											
99	Redondo Board Walk Replacement	493		-	43	450	-	-	-	-	
85	Pavement Preservation	2,244		-	59	60	425	425	425	425	
103	South 268th Street Sidewalk	89		-	-	89	-	-	-	-	
55	Field House Tennis Court	25		-	-	25	-	-	-	-	
97	Barnes Creek Trail	905		-	-	284	-	243	162	135	
53	BP Picnic Shelter/Restrooms	37		-	-	37	-	-	-	-	
83	Guardrail Program	75		-	-	25	-	25	-	25	
23	City Hall Generator	365		-	-	-	-	24	341	-	
25	City Hall Parking Lot	260		-	-	-	-	-	-	260	
59	Cecil Powell Play Equipment	198		-	-	-	-	-	-	198	
61	Westwood Play Equipment	68		-	-	-	-	-	-	68	
69	SJU Irrig and Landscape	145		-	-	-	-	-	-	145	
77	Marina Fishing Pier Restrooms	250		-	-	-	-	-	-	250	
73	Redondo Floats	40		-	-	-	-	-	-	40	
63	Field House Skate Park	155		-	-	-	-	-	-	155	
79	Redondo Fishing Pier Replace Decking	67		-	-	-	-	-	-	67	
65	Wooton Park	240		-	-	-	-	-	-	240	
67	Kiddy Park Play Equipment	210		-	-	-	-	-	-	210	
75	Redondo Restroom & Plaza	200		-	-	-	-	-	-	200	
49	Police Dept Storage Building	445		-	-	-	-	-	-	445	
	Total REET	6,511		-	102	970	425	717	928	585	2,784

CITY OF DES MOINES
CIP REVENUE SOURCE SUMMARY: 2016-2021

(Amounts in Thousands)

Page #	Project Name	Total Budget	Project to Date 12/31/14	Sched Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
ASE (Automatic Speed Enforcement)										
89	Midway SRTS 24th Ave Sidewalk	291		184	43	64	-	-	-	-
87	Sidewalk Program	175		25	-	25	25	25	25	25
103	South 268th Street Sidewalk	60		-	-	60	-	-	-	-
81	Arterial Traffic Calming Project	30		-	-	15	-	15	-	-
	Total ASE	556		209	43	164	25	40	25	25
TRAFFIC IMPACT FEES - CITY WIDE										
91	24th Ave South Improvement	181		181	-	-	-	-	-	-
93	Gateway - S 216th Segment 1A	269		50	-	219	-	-	-	-
95	Marine View Dr Roundabout	227		29	23	175	-	-	-	-
89	Midway SRTS 24th Ave Sidewalk	97		-	-	97	-	-	-	-
107	SeaTac Signal Improvements	350		-	-	-	150	200	-	-
109	South 216th - Segment 3	420		-	-	-	80	190	150	-
105	16th Ave - Seg 5A	144		-	-	-	-	42	102	-
117	Kent-Des Moines Rd - Seg 2	330		-	-	-	-	-	-	330
	Total Traffic Impact Fees - City Wide	2,018		260	23	491	230	432	252	-
TRAFFIC IMPACT FEES - PAC RIDGE										
101	S 224th St Improvements	614		606	-	8	-	-	-	-
	Total Traffic Impact Fees - Pac Ridge	614		606	-	8	-	-	-	-
TRAFFIC IN LIEU										
91	24th Ave South Improvement	127		127	-	-	-	-	-	-
105	16th Ave - Seg 5A	1,094		129	-	-	-	-	590	375
93	Gateway - S 216th Segment 1A	925		-	132	793	-	-	-	-
95	Marine View Dr Roundabout	783		-	-	-	288	495	-	-
109	South 216th - Segment 3	1,300		-	-	-	-	950	350	-
115	South 240th Street Improve - Seg 2	2,900		-	-	-	-	-	235	2,665
117	Kent-Des Moines Rd - Seg 2	20		-	-	-	-	-	-	20
	Total Traffic in Lieu	7,149		256	132	793	288	1,445	940	610
REDONDO ZONE PARKING										
111	Redondo Area Street Improvements	70		-	-	-	-	70	-	-
	Total Redondo Zone Parking	70		-	-	-	-	70	-	-
KING COUNTY PARK LEVY										
97	Barnes Creek Trail	288		288	-	-	-	-	-	-
53	BP Picnic Shelter/Restrooms	293		41	55	50	49	49	49	-
	DMBP Sun Home Lodge Rehab	250		-	-	65	185	-	-	-
	Total King County Park Levy	831		329	55	115	234	49	49	-
MCI										
105	16th Ave - Seg 5A	91		91	-	-	-	-	-	-
	Total MCI	91		91	-	-	-	-	-	-
Transportation CIP										
93	Gateway - S 216th Segment 1A	915		915	-	-	-	-	-	-
97	Barnes Creek Trail	68		68	-	-	-	-	-	-
	Total Transportation CIP Fund	983		983	-	-	-	-	-	-

CITY OF DES MOINES
CIP REVENUE SOURCE SUMMARY: 2016-2021
(Amounts in Thousands)

Page #	Project Name	Total Budget	Project to Date 12/31/14	Sched Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021		
MARINA REVENUES												
51	Financial System Replacement	30	-	-	15	15	-	-	-	-		
119	Dock Electrical Replacements	300	-	-	60	60	-	60	60	60		
121	Fuel Dispenser	60	-	-	-	-	60	-	-	-		
	Total Marina Revenues	390			75	75	60	60	60	60		
SURFACE WATER UTILITY												
125	Lower Massey Creek Channel Modification	1,513	260	163	1,090	-	-	-	-	-		
123	Barnes Crk/Kent-Des Moines Rd Culvert	1,594	17	94	323	1,160	-	-	-	-		
127	24th Ave Pipeline Replacement/Upgrade	260	-	8	252	-	-	-	-	-		
53	BP Picnic Shelter/Restrooms	-	-	147	(49)	(49)	(49)	-	-	-		
51	Financial System Replacement	30	-	-	15	15	-	-	-	-		
129	Pipe Replacement Program	1,361	-	-	-	49	328	328	328	328		
131	1st Ave Pond Expansion	150	-	-	-	-	30	120	-	-		
133	5th Ave/212th Street Pipe Upgrade	815	-	-	-	-	-	815	-	-		
135	N. Fork McSorley Ck Diversion	432	-	-	-	-	-	-	432	-		
137	6th Ave/239th Pipe Replacement	191	-	-	-	-	-	-	191	-		
139	14th Ave (268th to 272nd) Pipe Upgrade	478	-	-	-	-	-	-	478	-		
141	216th Pl/ Marine View Dr. Pipe Upgrade	309	-	-	-	-	-	-	-	309		
143	KDM /16th Avenue Pipe Replacement	272	-	-	-	-	-	-	-	272		
145	DMMD 208th to 212th Pipe Project	603	-	-	-	-	-	-	-	603		
	Total Surface Water Utility	8,008			277	412	1,631	1,175	309	1,263	1,429	1,512

CITY OF DES MOINES
CIP REVENUE SOURCE SUMMARY: 2016-2021

(Amounts in Thousands)

Page #	Project Name	Total Budget	Project to Date 12/31/14	Sched Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	
LOCAL GRANTS											
97	Barnes Creek Trail	44	44	-	-	-	-	-	-	-	
93	Gateway - S 216th Segment 1A	31	-	7	24	-	-	-	-	-	
125	Lower Massey Creek Channel Modification	396	-	-	396	-	-	-	-	-	
131	1st Ave Pond Expansion	235	-	-	-	-	30	205	-	-	
113	South 240th Street Improve - Seg 1	3,380	-	-	-	-	-	-	365	3,015	
117	Kent-Des Moines Rd - Seg 2	3,600	-	-	-	-	-	-	-	3,600	
	Total Local Grants	7,686		44	7	420		30	205	365	6,615
STATE GRANTS (Includes: TIB, RCO, CTED, etc.)											
103	South 268th Street Sidewalk	431	-	60	371	-	-	-	-	-	
93	Gateway - S 216th Segment 1A	3,692	-	-	3,692	-	-	-	-	-	
99	Redondo Board Walk Replacement	1,860	-	-	1,860	-	-	-	-	-	
53	BP Picnic Shelter/Restrooms	293	-	-	293	-	-	-	-	-	
57	DMBP Sun Home Lodge Rehab	355	-	-	-	355	-	-	-	-	
95	Marine View Dr Roundabout	1,180	-	-	-	575	605	-	-	-	
109	South 216th - Segment 3	3,700	-	-	-	190	725	2,785	-	-	
115	South 240th Street Improve - Seg 2	1,750	-	-	-	-	-	-	200	1,550	
113	South 240th Street Improve - Seg 1	2,670	-	-	-	-	-	-	370	2,300	
69	SJU Irrig and Landscape	60	-	-	-	-	-	-	-	60	
73	Redondo Floats	70	-	-	-	-	-	-	-	70	
79	Redondo Fishing Pier Replace Decking	158	-	-	-	-	-	-	-	158	
75	Redondo Restroom & Plaza	200	-	-	-	-	-	-	-	200	
117	Kent-Des Moines Rd - Seg 2	3,000	-	-	-	-	-	-	-	3,000	
	Total State Grants	19,419		-	60	6,216	1,120	1,330	2,785	570	7,338
FEDERAL GRANTS (Includes: STP, FMSIB, etc.)											
91	24th Ave South Improvement	7,264	7,264	-	-	-	-	-	-	-	
93	Gateway - S 216th Segment 1A	613	-	613	-	-	-	-	-	-	
97	Barnes Creek Trail	4,359	42	318	20	-	1,557	1,038	865	519	
99	Redondo Board Walk Replacement	1,747	-	337	1,410	-	-	-	-	-	
	Total Federal Grants	13,983		7,306	1,268	1,430		1,557	1,038	865	519
PRIVATE CONTRIBUTIONS											
21	Electronic Readerboards	100	-	-	-	50	-	50	-	-	
91	24th Ave South Improvement	823	590	233	-	-	-	-	-	-	
93	Gateway - S 216th Segment 1A	115	-	-	115	-	-	-	-	-	
115	South 240th Street Improve - Seg 2	200	-	-	-	-	-	-	200	-	
113	South 240th Street Improve - Seg 1	250	-	-	-	-	-	-	-	250	
117	Kent-Des Moines Rd - Seg 2	250	-	-	-	-	-	-	-	250	
	Total Private Contributions	1,738		590	233	115	50		50	200	500
DEBT PROCEEDS											
93	Gateway - S 216th Segment 1A	325	325	-	-	-	-	-	-	-	
17	N. Lot Fishing Pier Paid Parking	400	-	-	-	-	400	-	-	-	
19	Redondo Paid Parking	150	-	-	-	-	150	-	-	-	
71	North Lot & Beach Park Bulkheads	2,200	-	-	-	2,200	-	-	-	-	
	Total Debt Proceeds	3,075		325	-	2,200	550		-	-	
	TOTAL REVENUE SOURCES	73,871		11,351	2,420	12,537	5,822	6,709	7,685	4,789	22,558

INDIVIDUAL PROJECT DETAIL

N. Lot Fishing Pier Paid Parking



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

N. Lot Fishing Pier Paid Parking

310

CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:

Install a "Pay on Leaving" parking system in the north and south parking lots on the Marina floor.

Justification/Benefits: The parking lots on the Marina floor are used by thousands of people each year. They come from all over King County to enjoy the scenery, the beach, the park and the Des Moines Creek Trail. The parking lot is also used for parking, location of community events as well as overflow parking for the events held at the Beach Park facilities. Paid parking is an option to pay for the capital and maintenance requirements.

PROJECT SCOPE

Expenditures	Total Budget	ANNUAL ALLOCATION				
		Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year
Project to Date	12/31/14	2015	2016	2017	2018	2019
Design	-					-
Land & Right of Way	-					-
Construction	400				400	
Contingency	-				-	
Total Expenditures	400	-	-	-	400	-

Funding Sources

Funding Sources	Total Budget	ANNUAL ALLOCATION				
		Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year
Project to Date	12/31/14	2015	2016	2017	2018	2019
Debt Proceeds	400				400	
Total Funding	400	-	-	-	400	-

Redondo Paid Parking



**CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Redondo Paid Parking	310
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Summary Project Description:

Equip the Redondo parking lot with an automated pay parking system including gates, ticket dispensers and a pay station.

CIP Category: Waterfront Facility Project

Managing Department: Marina

Justification/Benefits: Currently this lot operates a seasonal (June - September) "Pay & Display" parking system. This type of parking depends on regular enforcement to make it effective and fair to all who use the lot. Upgrading the lot to a "Pay on Leaving" system where a paid ticket is needed to exit the lot will cut enforcement costs and effectively make the lot a year round operation. Collecting fees all year would increase revenues to help pay for the year round costs of maintaining the facility.

PROJECT SCOPE

	<i>Expenditures</i>	<i>Total</i>	<i>Scheduled</i>	<i>Plan</i>	<i>Plan</i>	<i>Plan</i>	<i>Plan</i>
	<i>Budget</i>	<i>Budget</i>	<i>Date</i>	<i>Year</i>	<i>Year</i>	<i>Year</i>	<i>Year</i>
Design	-	-	12/31/14	2015	2016	2017	2018
Land & Right of Way	-	-					
Construction	150	150					
Contingency	-	-					
Total Expenditure	150	150					

ANNUAL ALLOCATION

	<i>Funding Sources</i>	<i>Total</i>	<i>Scheduled</i>	<i>Plan</i>	<i>Plan</i>	<i>Plan</i>	<i>Plan</i>
	<i>Budget</i>	<i>Budget</i>	<i>Date</i>	<i>Year</i>	<i>Year</i>	<i>Year</i>	<i>Year</i>
Redondo Zone Parking Transfer	-	-	12/31/14	2015	2016	2017	2018
REET	-	-					
Debt Proceeds	150	150					
Total Funding	150	150					

Electronic Readerboards



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Electronic Readerboards	310
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<i>Summary Project Description:</i>	
Install two electronic reader boards; one at Massey Creek Plaza and another on Pacific Highway.	

CIP Category: Economic Development & Tourism

Managing Department: Plan, Build & PW Admin

Justification/Benefits: Civic Readerboards improve citizen communications, create a sense of place and promote Des Moines as a destination.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	-								
Land & Right of Way	-								
Construction	100						50		50
Contingency	-								
Total Expenditures	100						50	-	50

Funding Sources		ANNUAL ALLOCATION							
Funding Sources	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Private Contributions	100						50		
Total Funding	100						50	-	50

City Hall Generator



Aeron Stock #41160008

CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

City Hall Generator	310
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CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:	
Install a new permanent 350 Kw optional standby generator behind Public Works Engineering to fully operate City Hall and Engineering (this includes the Mechanic Shop).	

Justification/Benefits: The 2006 winter storm season was rather severe. City Hall and Engineering were not operational at times. This optional standby generator will help city staff perform their vital functions during emergency conditions and keep City Hall open to the public.

PROJECT SCOPE		ANNUAL ALLOCATION						
Expenditures	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	24				24			
Land & Right of Way	-							
Construction	300						300	
Contingency	41						41	
Total Expenditures	365						24	341

Funding Sources		ANNUAL ALLOCATION						
Expenditures	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
REET	365				24			
Facility Repair & Replace Fund	-							
Total Funding	365				24	341		

City Hall Parking Lot



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

City Hall Parking Lot	310
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CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Rebuild Northwest, Southwest, Southern and Eastern City Hall parking lots. Provide ADA access to the lot. The existing Southern ecology block wall will be rebuilt prior to parking lot construction work.

Justification/Benefits: A design for these parking lots was completed in 2007. The results of the design were that an overtake that would be insufficient to solve the existing degradation. As a result, a total rebuild of these parking lots needs to take place. The Western parking lots, as well as ADA ramp retrofits, will be included.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	30								30
Land & Right of Way	-								
Construction	206								206
Contingency	24								24
Total Expenditures	260								260

Funding Sources		ANNUAL ALLOCATION							
Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	
REET	260								260
Facility Repair & Replace Fund	-								
Total Funding	260								260

Council Chambers Lighting



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Council Chambers Lighting 506

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: The new lighting is necessary now that the new video recording system has been installed. The new lighting will remove the shadowing on the speakers and Council members and will provide a better quality recording for viewers.

Project Scope		Annual Allocation					
Expenditures	Total Budget	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
Design	-	2015	2016	2017	2018	2019	2020
Land & Right of Way	-						
Construction	25						
Contingency	-						
Total Expenditures	25						

Funding Sources		Total	Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year
Facility Repair & Replace Fund		25			25			
Total Funding		25						

LED Exterior Lighting



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

	LED Exterior Lighting	506
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CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:	
Activity Center	\$4,000
PW Service Ctr	\$7,200
City Hall	\$9,100
PW Engineering	\$2,750
Police	\$5,200
Field House	\$3,500

Justification/Benefits: This is both a maintenance and energy savings measure as well as a vandalism deterrent.

PROJECT SCOPE	
Expenditures	Total Budget
Design	-
Land & Right of Way	-
Construction	34
Contingency	-
Total Expenditures	34

ANNUAL ALLOCATION	
Project to Date	Scheduled Year
12/31/14	2015
	2016
	2017
	2018
	2019
	2020
	2021

Funding Sources	
Total Budget	Plan Year
Facility Repair & Replace Fund	2018
Total Funding	34

Activity Center Floor



**CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Activity Center Floor	506
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CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Repair Activity Center floor if necessary.

Justification/Benefits: A few years ago the floor planking started to heave-up creating tripping hazards. Temporary repairs seem to alleviate the problem but continuing monitoring is warranted. This project is in case the temporary repairs are insufficient to permanently solve the problem.

PROJECT SCOPE		ANNUAL ALLOCATION						
Expenditures	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	-							
Land & Right of Way	-							
Construction	20			20				
Contingency	-							
Total Expenditures	20							

Funding Sources		ANNUAL ALLOCATION							
Facility Repair & Replace Fund	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021

Field House Roof



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Field House Roof	506
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Summary Project Description:

Install new roof with fall protection at the Field House.

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: The existing cedar shake roof is old, deteriorating and growing quite a bit of moss. The new roof is needed to prevent water intrusion into the building and further interior damage

PROJECT SCOPE

Expenditures	Total Budget	ANNUAL ALLOCATION				
		Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018
Design	6	-	-	-	-	6
Land & Right of Way	-	-	-	-	-	-
Construction	99	-	-	-	-	99
Contingency	15	-	-	-	-	15
Total Expenditures	120					120

Funding Sources

Funding Sources	Total Budget	ANNUAL ALLOCATION				
		Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018
REET	-	-	-	-	-	-
Facility Repair & Replace Fund	120	-	-	-	-	120
Total Funding	120					120

Founders' Lodge Exterior Paint



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Founders' Lodge Exterior Paint	506
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Summary Project Description:	
CIP Category:	Building Facility Project
Managing Department:	Plan, Build & PW Admin
Justification/Benefits:	Paint the outside of the Founders' Lodge.

Justification/Benefits: The moist environment causes quite a bit of moss and algae to grow on the siding. This growth further deteriorates the paint.

PROJECT SCOPE		ANNUAL ALLOCATION					
Expenditures	Total Budget	Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year
Design	-						
Land & Right of Way	-						
Construction	90						90
Contingency	-						
Total Expenditures	90						90

Funding Sources		ANNUAL ALLOCATION					
Funding Sources	Total Budget	Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year
Facility Repair & Replace Fund	90						
Total Funding	90						90

Engineer Bldg Windows



**CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Engineer Bldg Windows	506
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CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replace upstairs windows and Information Systems' windows.

Justification/Benefits: The existing single pane windows are not energy efficient, most do not have screens to keep the bugs out and some are extremely hard to open and close. New energy efficient windows would save on energy costs and prevent bugs from entering the building when opened.

PROJECT SCOPE		ANNUAL ALLOCATION					
<i>Expenditures</i>	<i>Total Budget</i>	<i>Scheduled Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>
		12/31/14	2015	2016	2017	2018	2019
Design	-						
Land & Right of Way	-						
Construction	25						
Contingency	-						
Total Expenditures	25						

Funding Sources		ANNUAL ALLOCATION					
<i>Total Budget</i>	<i>Facility Repair & Replace Fund</i>	<i>Scheduled Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>
		12/31/14	2015	2016	2017	2018	2019
Total Funding	25						

City Hall Canopy Repairs



**CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

City Hall Canopy Repairs	506
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CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:	
Repair the structural timbers and steel beams to prevent further deterioration while maintaining the same aesthetic look of the walkway.	

Justification/Benefits: The existing walkway canopy has structural defects in the wooden timbers.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	16								16
Land & Right of Way	-								
Construction	34								34
Contingency	5								5
Total Expenditures	55								55

Funding Sources		ANNUAL ALLOCATION							
Facility Repair & Replace Fund	Total Funding	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
	55								55

Activity Center Exterior Paint



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Activity Center Exterior Paint	506
--------------------------------	-----

Summary Project Description:	
	Paint the exterior of the Activity Center.

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: The exterior paint is faded and flaking off in various places. New paint would enhance the look and prevent weather intrusion and further building element deterioration.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	-								
Land & Right of Way	-								
Construction	30								
Contingency	-								
Total Expenditures	30								

Funding Sources		ANNUAL ALLOCATION							
Funding Sources	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Facility Repair & Replace Fund	30								
Total Funding	30								

PW Service Center Interior Painting



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

PW Service Center Interior Painting	506
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CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Paint the interior of the PW Service Center.

Justification/Benefits: It has been many years since the inside has been painted. New paint would improve the interior looks and make the building more presentable for the meetings and classes held there.

PROJECT SCOPE		ANNUAL ALLOCATION					
Expenditures	Total Budget	Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year
Design	-	12/31/14	2015	2016	2017	2018	2019
Land & Right of Way	-						
Construction	60						
Contingency	-						
Total Expenditures	60						

Funding Sources		Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year
Total Budget	60	12/31/14	2015	2016	2017	2018	2019
Facility Repair & Replace Fund	-						
Total Funding	60						

Field House Interior Paint



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Field House Interior Paint	506
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CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:	
Paint the inside of the Field House.	

Justification/Benefits: It has been some time since the last painting. This building is used quite heavily by the public. New paint would enhance the interior looks for renters and daily users.

PROJECT SCOPE		ANNUAL ALLOCATION						
Expenditures	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	-							
Land & Right of Way	-							
Construction	35							35
Contingency	-							
Total Expenditures	35							35

Funding Sources		ANNUAL ALLOCATION						
Funding Sources	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Facility Repair & Replace Fund	35							
Total Funding	35							35

Activity Center Irrigation/Landscape



Activity Center Irrigation/Landscape

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Irrigate and landscape the front lawn area between the building and South 216th Street.

Justification/Benefits: Now that South 216th has been improved and the Civic Readerboard is functional; irrigation and landscaping the front lawn area will make the facility more appealing to the public and potential renter groups.

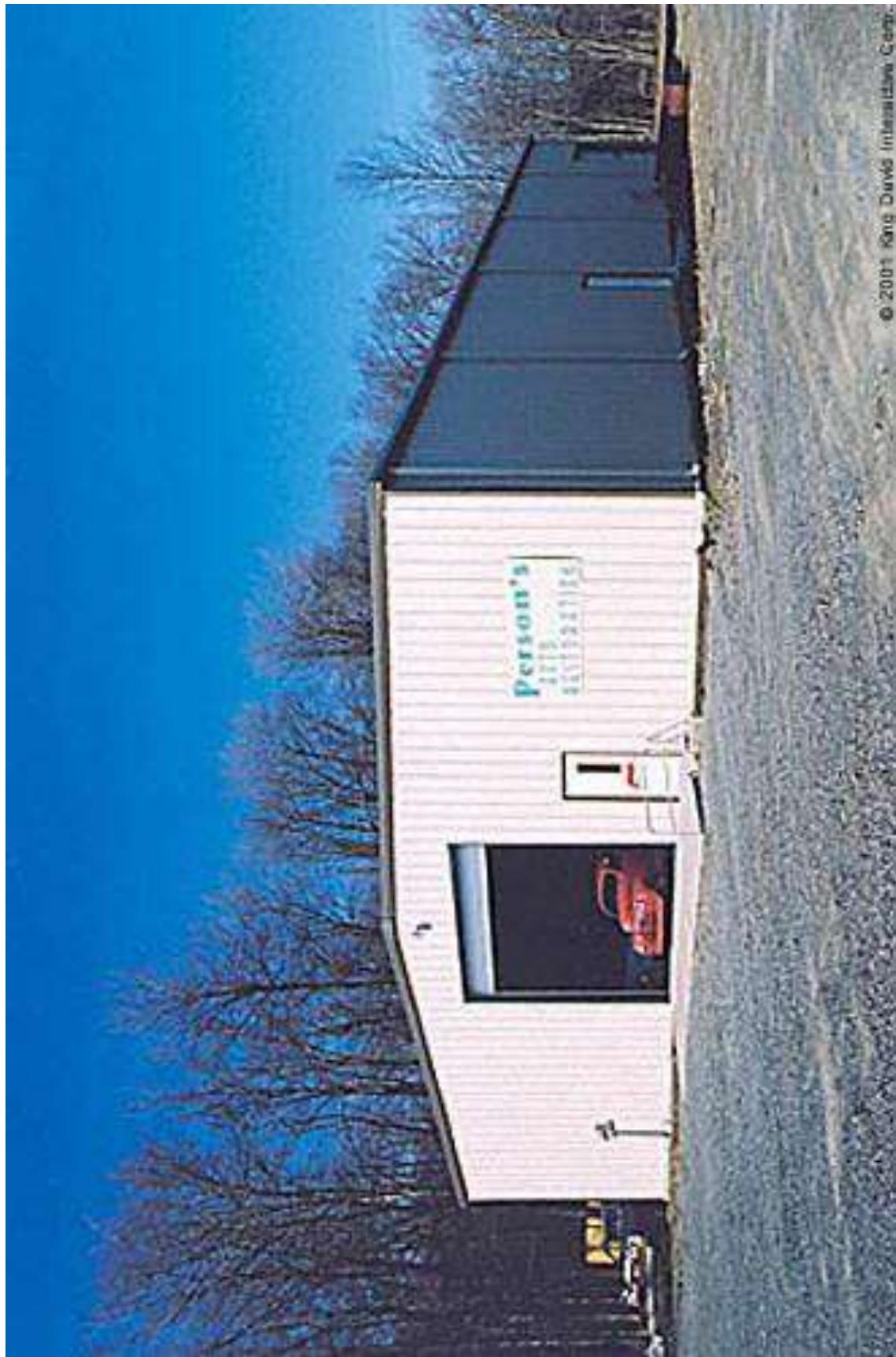
PROJECT SCOPE

<i>Expenditures</i>	<i>Total Budget</i>	<i>ANNUAL ALLOCATION</i>				
		<i>Scheduled Date</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>
<i>12/31/14</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>2019</i>	<i>2020</i>
Design		9				
Land & Right of Way		-				
Construction		53				
Contingency		3				
Total Expenditures	65					

Funding Sources

<i>Total Budget</i>	<i>ANNUAL ALLOCATION</i>				
	<i>Scheduled Date</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>
<i>12/31/14</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>2019</i>
Facility Repair & Replace Fund		65			
Total Funding	65				

Police Dept Storage Building



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CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Police Dept Storage Building	310
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CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

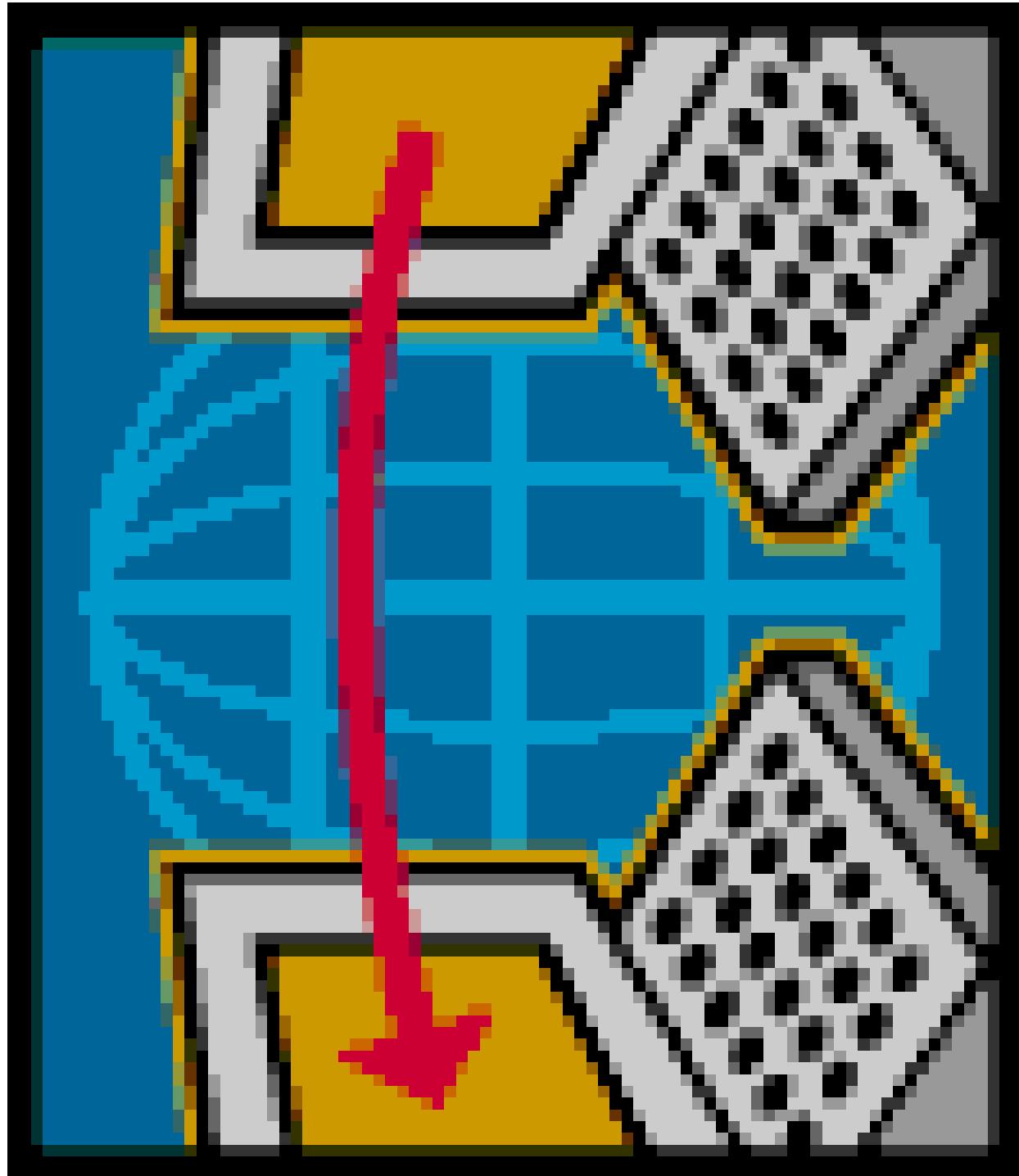
Construction of a new building behind the existing City Shop and Engineering offices to store property seized by police actions.

Justification/Benefits: Police currently store their seized property in the warehouse behind the City Shop and Engineering offices. This causes other City equipment to be stored elsewhere. This new building will accommodate the PD needs and will allow for better usage of the existing storage building.

PROJECT SCOPE		ANNUAL ALLOCATION								
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	
Design	60									60
Land & Right of Way	-									
Construction	340									340
Contingency	45									45
Total Expenditures	445									445

Funding Sources		ANNUAL ALLOCATION								
Funding Sources	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	
REET	445									445
Total Funding	445									445

Financial System Replacement



**CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Financial System Replacement 511.XXX

CIP Category: Technology Project

Managing Department: Finance

Summary Project Description:

Replace the financial software and upgrade related server. Replacement system will be a fully integrated system containing general ledger, budgeting, payroll, accounts payable, accounts receivable, centralized cashiering and project accounting modules.

Justification/Benefits: The current financial system was purchased in 2002 and is reaching its technological end of life. The software provider has indicated it will not update the financial system to accommodate future operating system upgrades.

Annual Allocation									
Project Scope	Expenditures	Project to Date		Scheduled Year		Plan Year		Plan Year	
		Total Budget	12/31/14	2015	2016	2017	2018	2019	2020
Design	-								
Land & Right of Way	-								
Construction	250				100	150			
Contingency	-								
Total Expenditures	250		-	-	100	150	-	-	-
Funding Sources									
Funding Sources	Total Budget	Project to Date		Scheduled Year		Plan Year		Plan Year	
		12/31/14	2015	2016	2017	2018	2019	2020	2021
General Fund	190	75	85	30					
Marina Rates	30				15	15			
Surface Water Utility	30				15	15			
Total Funding	250	75	85	60	30	30			

BP Picnic Shelter/Restrooms



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

BP Picnic Shelter/Restrooms	310
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CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

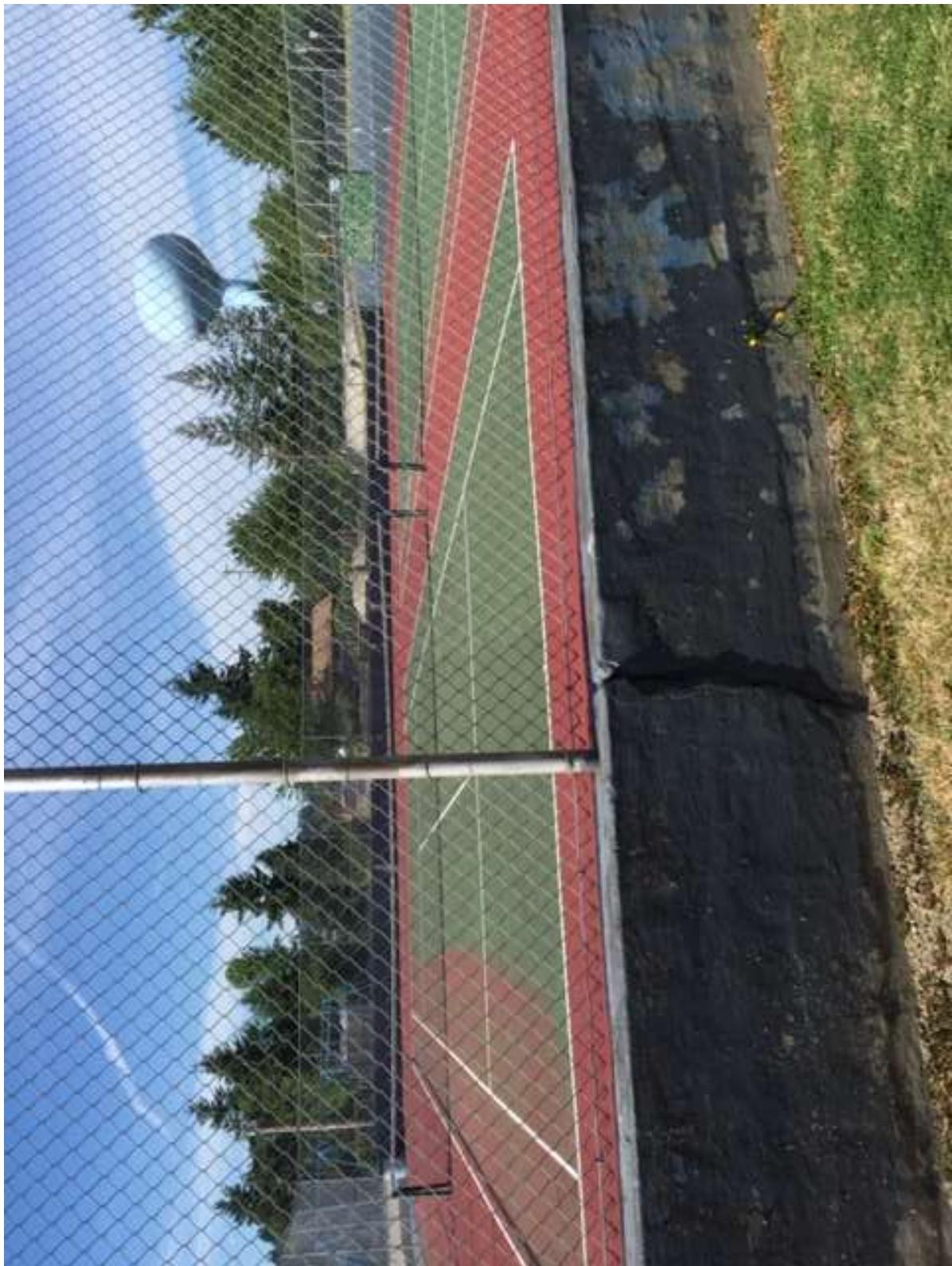
Rehabilitate the Picnic Shelter and Restroom including building a new stem wall, update mechanical, electrical and plumbing systems, fixtures, interior, exterior finishes and drainage to serve the high volume Beach Park and Des Moines Creek Trail Park users. The project is part of a multi-phased plan to rehabilitate the historic buildings. It is a high priority for the general public and for the full utilization of the Event Center to maximize rental revenues that are needed to sustain the park and its buildings.

Justification/Benefits: Des Moines Beach Park is listed on the State and National Historic Register. Expert analysis was completed in 2004 regarding the prioritized and phased rehabilitation of the park's assets. This project was rated as a priority one project in the 2010 - 2015 Parks, Recreation and Senior Services Master Plan.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	56		36		20				
Land & Right of Way	-								
Construction	500				500				
Contingency	67				67				
Total Expenditures	623	-	36	587	-	-	-	-	-

Funding Sources		ANNUAL ALLOCATION							
Funding Sources	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
REET	37				37				
King County Park Levy	293	41	55	50	49	49	49	49	
Surface Water Utility	-			147	(49)	(49)	(49)		
State of Washington Grants	293				293				
Total Funding	623	41	202	331	-	-	-	49	-

Field House Tennis Court



**CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Field House Tennis Court	310
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CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Justification/Benefits: The court was last painted approximately 15 years ago.

Summary Project Description:	
Repaint the tennis court at the Field House.	

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	-								
Land & Right of Way	-								
Construction	25				25				
Permits	-								
Sales Tax	-								
Contingency	-								
Total Expenditures	25								

Funding Sources		ANNUAL ALLOCATION							
Funding Sources	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
REET	25				25				
Local Grants (County, etc.)	-								
State of Washington Grants (Unconfirmed)	-								
Total Funding	25								



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

DMBP Sun Home Lodge Rehab	310.05
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CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

Rehabilitation of the Sun Home Lodge for its continued use as a recreation facility. Will include lifting the building, connecting new utilities (electrical, gas, phone, cable, water and sewer), constructing a new foundation, decking, exterior stairway and minor interior improvements. Additional interior building remodel work would be completed in future phases. This project relies on funding support from King County and Washington State. \$459K previously expended Picnic Shelter/Restroom funds will provide additional match for the project.

Justification/Benefits: King County has just announced that it will provide up to \$20M bonds for the rehabilitation of historic properties. These funds and past Beach Park expenditures could provide match for a Washington Heritage Capital Grant to lift and construct a new foundation for the Sun Home Lodge. The Sun Home Lodge is in desperate need of life and safety repairs for its continued use as a recreation facility. Funds available will not provide for major interior remodel work. The Des Moines Beach Park is listed on the State and National Historic Register.

PROJECT SCOPE		ANNUAL ALLOCATION					
<i>Expenditures</i>	<i>Total Budget</i>	<i>Scheduled Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>
Design/Engineering	65			65			
Construction	475				475		
Contingency	65				65		
Total Expenditures	605			65	540		

Funding Sources		ANNUAL ALLOCATION					
<i>Total Budget</i>	<i>Project Date</i>	<i>Scheduled Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>
King County	250			65	185		
WA State Heritage	355				355		
Total Funding	605			65	540		

Cecil Powell Play Equipment



**CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Cecil Powell Play Equipment	310
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CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

Replace the play structure that was removed for safety reasons due to age and deterioration. Park renovation will include ADA compliance, picnic table and bench replacement.

Justification/Benefits: Cecil Powell Park was transferred to the city by the Powell family in 1991. The play equipment is over 25 years old, in poor condition and doesn't meet current Play Equipment ASTM and ADA standards. The installation of new equipment will require meeting current ADA access standards.

PROJECT SCOPE	ANNUAL ALLOCATION							
	<i>Project to Date</i> 12/31/14	<i>Scheduled Year</i> 2015	<i>Plan Year</i> 2016	<i>Plan Year</i> 2017	<i>Plan Year</i> 2018	<i>Plan Year</i> 2019	<i>Plan Year</i> 2020	<i>Plan Year</i> 2021
Expenditures	Total Budget							
Design	24							24
Land & Right of Way	-							
Construction	160							160
Contingency	14							14
Total Expenditures	198							- 198

Funding Sources	ANNUAL ALLOCATION							
	<i>Project to Date</i> 12/31/14	<i>Scheduled Year</i> 2015	<i>Plan Year</i> 2016	<i>Plan Year</i> 2017	<i>Plan Year</i> 2018	<i>Plan Year</i> 2019	<i>Plan Year</i> 2020	<i>Plan Year</i> 2021
REET	198							
Total Funding	198							- 198

Westwood Play Equipment



**CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Westwood Play Equipment	310
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CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

Replace the wooden play structure for safety reasons due to age and wood structure deterioration. Park renovation will include ADA compliance, picnic table and bench replacement.

Justification/Benefits: The wooden play structure needs to be replaced due to age and deterioration. Westwood Park was constructed by a developer in the early 2000's. The wooden play equipment is over 15 years old and becoming a safety hazard. The installation of new equipment will require meeting new ADA access requirements. Westwood Park is one of two small parks that serve the North Hill population of 5,100 residents.

PROJECT SCOPE	Expenditures	ANNUAL ALLOCATION							
		Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	-								
Land & Right of Way	-								
Construction	65								65
Contingency	3								3
Total Expenditures	68								68

Funding Sources	Total Budget	ANNUAL ALLOCATION							
		Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
REET	68								
Total Funding	68								68

Field House Skate Park



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Field House Skate Park	310
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Summary Project Description:

The 20 year old skate park is used by hundreds of youth weekly, riding skate boards, scooters and repairs bicycles. Many of the concrete and marble edges are showing wear or are broken. A thorough assessment of the park is needed to determine the extent of the repairs and updates needed.

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Justification/Benefits: The concrete skate park was built in 1996 with volunteer and parks crew labor and is now 20 years old. The skate park is outdated and there are missing edges that must be repaired and/or replaced. This is a number one priority of the 2010 - 2016 Parks, Recreation and Senior Services Master Plan. It is the only skate park in Des Moines serving it's 30,000 population.

PROJECT SCOPE	ANNUAL ALLOCATION					
	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019
Expenditures	Total Budget	12/31/14	2015	2016	2017	2018
Design	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-
Construction	155	-	-	-	-	-
Contingency	-	-	-	-	-	-
Total Expenditures	155	-	-	-	-	-

Funding Sources	ANNUAL ALLOCATION					
	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019
REET	155	-	-	-	-	-
Total Funding	155	-	-	-	-	-

Wootton Park



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Wooton Park	310
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Summary Project Description:

Replace play equipment and picnic shelter. The park's play equipment is over 25 years old, outdated and replacement parts are not available. The park was assessed in 2008 as part of the 2010 Master Plan update. Findings identified that the play equipment needed replacement, the wooden gazebo was not sturdy and needs to be removed or replaced, the site furnishings need to be upgraded and the pathways need refurbishing.

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Justification/Benefits: Wooton Park was transferred to the City from King County due to annexation in 1997. Wooton Park is the park facility serving the Redondo neighborhood of 1,600 and thousands of visitors annually. This project was a number one project in the 2010 - 2015 Parks, Recreation and Senior Services Master Plan.

PROJECT SCOPE		ANNUAL ALLOCATION								
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	
Design	-									
Land & Right of Way	-									
Construction	240									240
Contingency	-									
Total Expenditures	240									240

Funding Sources		ANNUAL ALLOCATION								
Funding Sources	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	
REET	240									
Total Funding	240									240

Kiddy Park Play Equipment



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Kiddy Park Play Equipment	310
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Summary Project Description:

Relocate out of the gully and replace play equipment including ADA access to meet safety and ADA standards.

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Justification/Benefits: Kiddy Park was built in 1987. The play equipment is 28 years old and the location is not ADA accessible. It does not meet current ASTM and ADA requirements. This is a number two priority in the 2010 - 2016 Parks, Recreation and Senior Services Master Plan.

PROJECT SCOPE	ANNUAL ALLOCATION							
	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Expenditures	Total Budget							
Design	-							
Land & Right of Way	-							
Construction	210							210
Contingency	-							
Total Expenditures	210							210

Funding Sources	ANNUAL ALLOCATION							
	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
REFT	210							
Total Funding	210							210

SJU Irrig and Landscape



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

SJU Irrig and Landscape 310

CIP Category: Park Facility Projects

Managing Department: Parks, Recr & Sr Services

Justification/Benefits: The existing irrigation system is old and has been repaired many times. The grass area has quite a bit of moss from prior leaks.

Summary Project Description:	New irrigation. Add topsoil to level the grass area and then hydroseed.
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North Lot & Beach Park Bulkheads



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

North Lot & Beach Park Bulkheads**310**

CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:

Replace the north bulkhead in the north parking lot and replace or repair sections of the bulkhead and revetment in front of the Beach Park. Remove unsuitable revetment material from the beach and include wider sidewalks and pedestrian amenities.

Justification/Benefits: Bulkheads are aged and damaged by storm activities which require periodic spot rebuilding. Replacing the bulkheads will provide long-term protection with lower maintenance costs. It would also improve public access to the beach from both the north parking lot and the Beach Park.

PROJECT SCOPE			ANNUAL ALLOCATION					
	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Expenditures	Total Budget							
Design	-							
Land & Right of Way	-							
Construction	2,200				2,200			
Contingency	-							
Total Expenditures	2,200					2,200		

Funding Sources			ANNUAL ALLOCATION					
	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Debt Proceeds	2,200				2,200			
Total Funding	2,200				2,200			

Redondo Floats



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Redondo Floats	310
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CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:

Replace the last of the old floats. Demolish the old concrete brow and replace with a new one that would accommodate the new floats and increase the width of the ramp by 3 feet. Replace all the pile hoops with a better design and clean up rock revetment on both sides of the ramp.

Justification/Benefits:

The Marina staff has been building new boarding floats for the Redondo Boat Launching Ramp for several years, replacing one or two a year. The new floats replace the original floats that were built in 1980. There is one more old float to replace, but it will also be necessary to remove and replace the concrete brow that anchors the floats to the shore because the new floats are narrower than the original floats. The new floats were designed to be narrower than the original floats in order to increase the width of the ramp to a true two lane launching ramp.

PROJECT SCOPE

Expenditures	Project to Date 12/31/14	ANNUAL ALLOCATION			
		Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018
Design	-				
Land & Right of Way	-				
Construction	100				
Contingency	10				
Total Expenditures	110				

Funding Sources

Funding Sources	Project to Date 12/31/14	ANNUAL ALLOCATION			
		Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018
REET	40				
State of Washington Grants (Unconfirmed)	70				
Total Funding	110				

Redondo Restroom & Plaza



**CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Redondo Restroom & Plaza	310
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Summary Project Description:

Demolish existing restroom and replace with smaller pre-fab structure across the street. Replace restroom foundation with surface similar to rest of plaza and add railings.
\$250,000 for pre-fab restroom and \$150,000 for ground restoration.

CIP Category: Waterfront Facility Project

Managing Department: Marina

Justification/Benefits: The existing restrooms are 35 years old and are functionally obsolete. The restrooms are built on a pier with all of the plumbing hanging below the structure where it can and has been destroyed by storms.

PROJECT SCOPE		ANNUAL ALLOCATION					
Expenditures	Total Budget	Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year
Funding Sources	Total Budget	12/31/14	2015	2016	2017	2018	2019
Design	-						
Land & Right of Way	-						
Construction	400						
Contingency	-						
Total Expenditures	400						

PROJECT SCOPE		ANNUAL ALLOCATION						
Expenditures	Total Budget	Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	
Funding Sources	Total Budget	12/31/14	2015	2016	2017	2018	2019	2020
REFT	200							
State of Washington Grants (Unconfirmed)	200							
Total Funding	400							

Marina Fishing Pier Restrooms



06/19/2015 12:08

CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Marina Fishing Pier Restrooms

310

CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:

Demolish existing restroom and shower building located next to Marina office and the existing restrooms located near the fishing pier and replace them with 6 module unisex toilet, sink, shower units at a location centrally located to both areas but which will be outside (and therefore not conflict with) the Marina Zone 2 (Economic Development Zone). The unisex style units would include a toilet and sink and at least two units would also include a shower that would be operated with tokens issued by the Marina office.

Justification/Benefits: Existing restrooms are significantly deteriorated and need to be replaced. These restrooms are for public access (including patrons of the marina guest moorage).

PROJECT SCOPE		ANNUAL ALLOCATION						
Expenditures	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	-							
Land & Right of Way	-							
Construction	247							247
Contingency	3							3
Total Expenditures	250							250

Funding Sources		ANNUAL ALLOCATION						
Funding Sources	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
REFT	250							250
Total Funding	250							250

Redondo Fishing Pier Replace Decking



**CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Redondo Fishing Pier Replace Decking

310

CIP Category: Waterfront Facility Project

Managing Department: Marina

Summary Project Description:

Replace the wood decking with a concrete deck. Repair pile caps and additional piling where needed in conjunction with installation of the concrete deck.
12 New piles \$100,000; Demo and replace deck \$100,000 plus contingency.

Justification/Benefits: The Pier is now 35 years old and the wood decking has reached the end of its useful life. Concrete decking is easier and cheaper to maintain as well as providing a much safer walking surface.

PROJECT SCOPE

	<i>Expenditures</i>	<i>Total Budget</i>	<i>Project to Date</i>	<i>Scheduled Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>
			12/31/14	2015	2016	2017	2018	2019
Design	-							
Land & Right of Way	-							
Construction	200							
Contingency	25							
Total Expenditures	225							

ANNUAL ALLOCATION

	<i>Funding Sources</i>	<i>Total Budget</i>	<i>Project to Date</i>	<i>Scheduled Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>
			12/31/14	2015	2016	2017	2018	2019
REET	67							
State of Washington Grants (Unconfirmed)	158							
Total Funding	225							

Arterial Traffic Calming Project



**CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Arterial Traffic Calming Project 319.609

CIP Category: Transportation - Operating Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Install arterial traffic calming devices such as permanent radar speed signs, road rechannelization, speed cushions, and other appropriate devices for use on arterial streets. These devices are intended for higher volume roads and emergency response routes which have different characteristics than local roads. Locations are yet to be determined and based on operational characteristics.

Justification/Benefits: Arterial traffic calming devices have been shown to potentially reduce operational speeds and bring awareness to the motoring public. Lower operating speeds can improve the traffic safety for vehicle users as well as pedestrians using adjacent facilities.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	-								
Land & Right of Way	-								
Construction	30				15		15		
Contingency	-								
Total Expenditures	30				15		15		-

Funding Sources		ANNUAL ALLOCATION						
Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
ASE (Automatic Speed Enforcement) GF X-fer	30			15		15		
Total Funding	30			15		15		-

Guardrail Program



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Guardrail Program	319,103
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CIP Category: Transportation - Operating Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

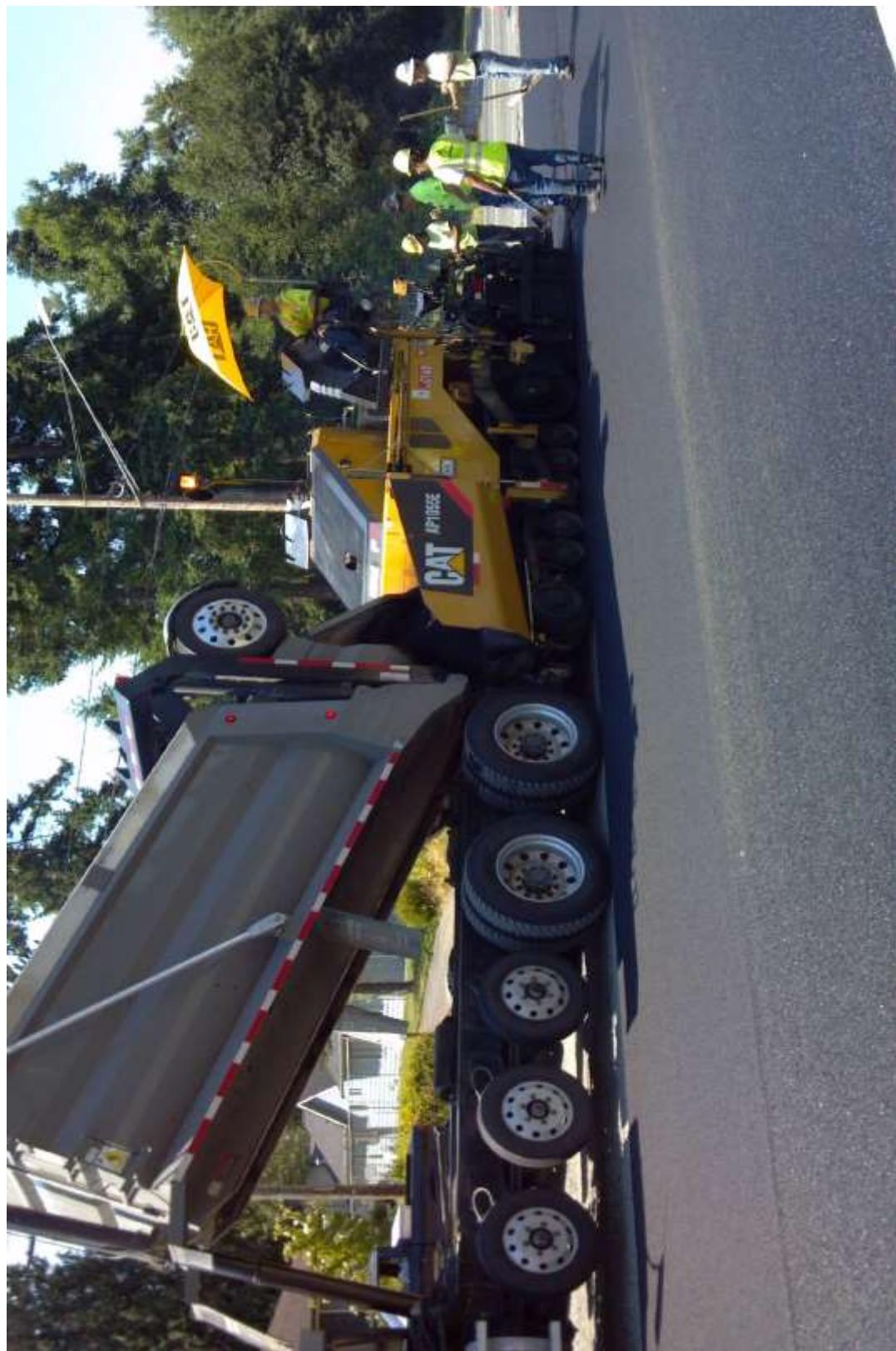
Install new or replace outdated guardrail city wide.

Justification/Benefits: This program is specifically intended to target roadside safety on the City's street system. These locations are where guardrail is warranted (determined by the American Association of State Highway and Transportation Officials - AASHTO - Roadside Design Guide and City Policy) but where none exists, and where the existing guardrail does not meet current design standards and should be upgraded to enhance safety. Vehicle impact with substandard guardrail installations can potentially increase the severity of the collision.

PROJECT SCOPE		ANNUAL ALLOCATION						
Expenditures	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	-							
Land & Right of Way	-							
Construction	75			25		25		25
Contingency	-							
Total Expenditures	75	-	-	25	-	25	-	25

Funding Sources	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
REET	75	-	-	25	-	25	-	25
Total Funding	75	-	-	25	-	25	-	25

Pavement Preservation



**CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Pavement Preservation 319,100

CIP Category: Transportation - Operating Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Maintain and preserve the integrity of the City's existing roadway surfaces of approximately 5 centerline miles per year through a combination of pavement rehabilitation measures, such as chip seals, patches and overlays.

Justification/Benefits: The City's Comprehensive Transportation Plan has identified the Pavement Management Program as a high priority. A major component of this program is the yearly pavement maintenance and rehabilitation projects. These projects are intended to protect and preserve the surface condition, help maintain the structural integrity, and restore texture and skid resistance to the roadway surface. With proper maintenance, asphalt pavement has a design life of 20 to 25 years. There are approximately 100 centerline miles of roadway. Given the design life of pavement, the Pavement Management Program should strive to maintain at least 4 to 5 centerline miles of roadway each year.

		ANNUAL ALLOCATION					
		<i>Project to Date</i>	<i>Scheduled Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>
		<i>12/31/14</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>2019</i>
Expenditures	Total Budget						
Design	-						
Land & Right of Way	-						
Construction	2,244		59	60	425	425	425
Contingency	-						
Total Expenditures	2,244	-	59	60	425	425	425

		ANNUAL ALLOCATION					
		<i>Project to Date</i>	<i>Scheduled Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>
		<i>12/31/14</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>2019</i>
Funding Sources	Total Budget						
REET	2,244		59	60	425	425	425
Total Funding	2,244	-	59	60	425	425	425

Sidewalk Program



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Sidewalk Program	319.120
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CIP Category: Transportation - Operating Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: Provides safer pedestrian mobility and reduces liability to city from substandard sidewalks.

Summary Project Description:	
Replace sidewalks throughout the city. This program targets locations that are in significant need of repair or which do not meet current standards. Typical locations for repair include curb, gutter, sidewalk, asphalt paths and driveway approaches. The program prioritizes projects near schools, in commercial areas, and locations with high amounts of pedestrian traffic. Special consideration is given to locations with past pedestrian accident history and where citizen complaints are received.	

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	-								
Land & Right of Way	-								
Construction	175		25		25		25		25
Contingency	-								
Total Expenditures	175	-	25	25	25	25	25	25	25

Funding Sources		ANNUAL ALLOCATION							
Funding Sources	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
ASE (Automatic Speed Enforcement) GF X-fer	175	25		25		25		25	
Total Funding	175	25	-	25	25	25	25	25	25

Midway SRTS 24th Ave Sidewalk



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Midway SRTS 24th Ave Sidewalk **319.606**

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Install a sidewalk on the east side of 24th Ave S from South 224th Street to South 227th Street. This project will be done in conjunction with SWM's 24th Ave Pipepline replacement.

Justification/Benefits: Provides safer pedestrian mobility especially for school aged children. The east side of 24th Avenue South directly across from Midway Elementary and Pacific Middle School was identified as a top ranking priority project in the HEAL funded Safe Routes to School study/inventory.

PROJECT SCOPE		ANNUAL ALLOCATION					
<i>Expenditures</i>	<i>Total Budget</i>	<i>Project to Date 12/31/14</i>	<i>Scheduled Year 2015</i>	<i>Plan Year 2016</i>	<i>Plan Year 2017</i>	<i>Plan Year 2018</i>	<i>Plan Year 2019</i>
Design	66	24	27	15			
Land & Right of Way	34			34			
Construction	208			208			
Contingency	80			80			
Total Expenditures	388	24	27	337	-	-	-

Funding Sources		ANNUAL ALLOCATION					
<i>Total Budget</i>	<i>Project to Date 12/31/14</i>	<i>Scheduled Year 2015</i>	<i>Plan Year 2016</i>	<i>Plan Year 2017</i>	<i>Plan Year 2018</i>	<i>Plan Year 2019</i>	<i>Plan Year 2020</i>
ASE (Automatic Speed Enforcement) GF X-fer	291	184	43	64			
Traffic Impact Fees - City Wide	97			97			
REET	-						
Surface Water Utility	-						
Total Funding	388	184	43	161	-	-	-

24th Ave South Improvement



**CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

24th Ave South Improvement **319,300.0440**

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: Project infrastructure work completed in 2015.

		<i>Summary Project Description:</i>					
		Project contingency held for potential coordination with the City of SeaTac's 24th/28th Roadway Connection Project.					

		<i>ANNUAL ALLOCATION</i>					
		<i>Scheduled</i>	<i>Plan</i>	<i>Plan</i>	<i>Plan</i>	<i>Plan</i>	<i>Plan</i>
		<i>Date</i>	<i>Year</i>	<i>Year</i>	<i>Year</i>	<i>Year</i>	<i>Year</i>
		<i>12/31/14</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>2019</i>
Design		1,188					
Land & Right of Way		1,019					
Construction		5,540		460			
Contingency		188		107	31	50	
Total Expenditures		8,395		7,854	491	50	-

		<i>ANNUAL ALLOCATION</i>					
		<i>Scheduled</i>	<i>Plan</i>	<i>Plan</i>	<i>Plan</i>	<i>Plan</i>	<i>Plan</i>
		<i>Date</i>	<i>Year</i>	<i>Year</i>	<i>Year</i>	<i>Year</i>	<i>Year</i>
		<i>12/31/14</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>2019</i>
Traffic Impact Fees - City Wide		181					
Traffic in-Lieu		127					
Federal Grants		7,264					
Private Contributions		823		590	233		
Total Funding		8,395		8,162	233	-	-

Gateway - S 216th Segment 1A



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Gateway - S 216th Segment 1A	319,332
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CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

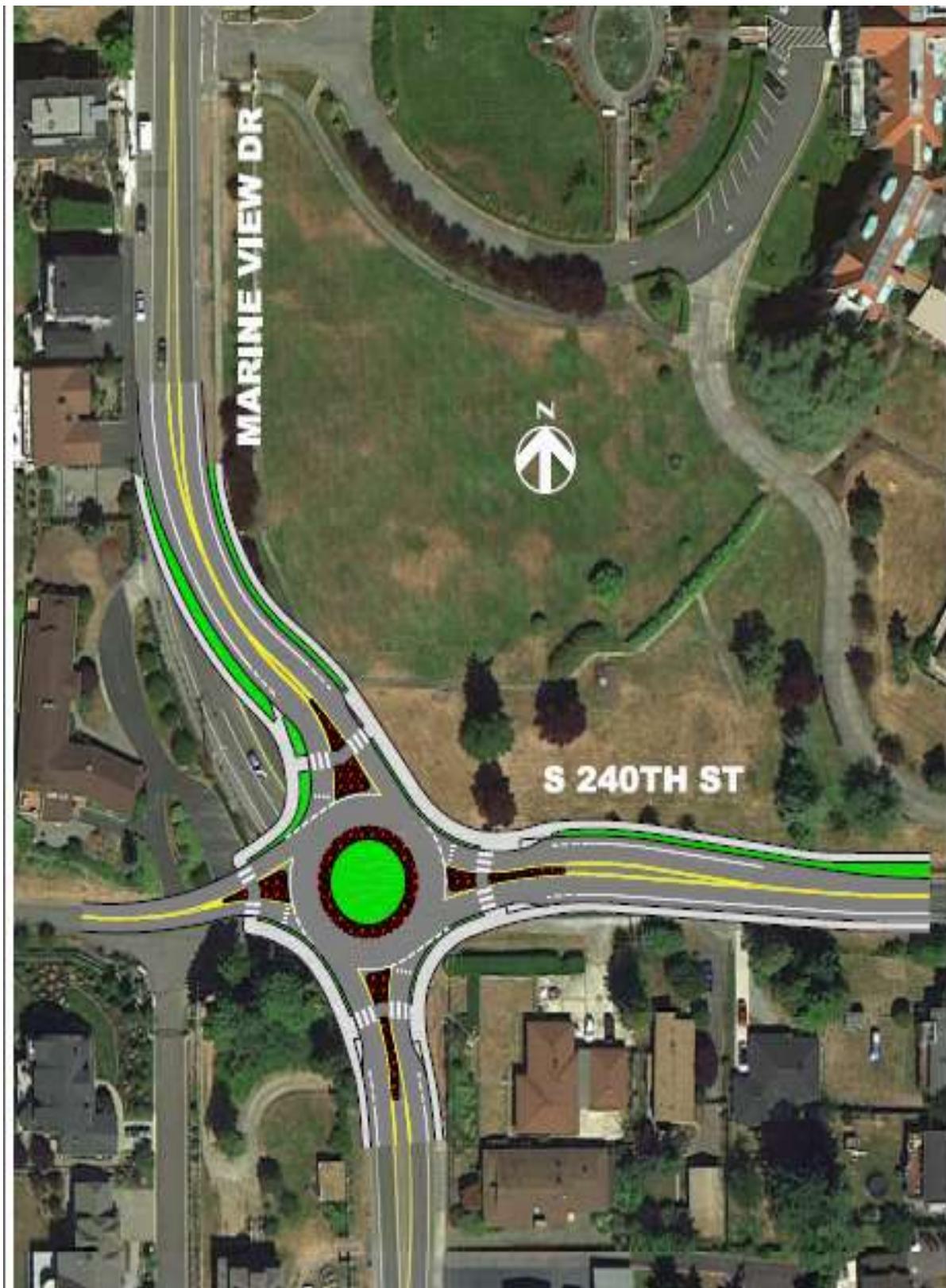
South 216th St from R 99 to 24th Ave South. Widens roadway to 5 lanes with two additional travel lanes in each direction, a continuous left turn lane, a U-turn pocket (EN to WB) at SR 99, bicycle lanes, planter strips and sidewalks.

Justification/Benefits: Provides adequate access to support area development especially as it relates to the Des Moines Business Park and future development along the north side of South 216th Street and east side of 24th Ave South.

PROJECT SCOPE		ANNUAL ALLOCATION					
Expenditures	Total Budget	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
		12/31/14	2015	2016	2017	2018	2019
Design	758	758				-	
Land & Right of Way	1,057	305	752			-	
Construction	4,595			4,595			
Contingency	475			475			
Total Expenditures	6,885	1,063	752	5,070			

Funding Sources		ANNUAL ALLOCATION					
Funding Sources	Total Budget	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
		12/31/14	2015	2016	2017	2018	2019
Traffic Impact Fees - City Wide	269	50		219			
Traffic in-Lieu	925		132	793			
Transport CIP Fund	915	915					
Local Grants (Metro)	31		7	24			
State of Washington Grants (Confirmed)TIB, FMSIB	3,692			3,692			
Federal Grants (STP)	613		613				
Private Contributions (Utilities)	115			115			
Debt Proceeds	325	325					
Total Funding	6,885	1,290	752	4,843			

Marine View Dr Roundabout



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Marine View Dr Roundabout	319.608
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CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
 Re-align intersection and install round-a-bout at the intersection of Marine View Drive and S 240th Street.

Justification/Benefits: The project will install a modern round-a-bout at this intersection which will reduce crash severity for all users, allowing safer mergers into circulating traffic, and provide more perception time for all users due to the lower vehicle speeds. There will be fewer overall conflict points and no left-turn conflicts. An environmental benefit minimizes delays with infrequent stops being required during off-peak periods. The improvement will provide an opportunity for pedestrian crossings of Marine View Drive under slower vehicle speed conditions. The circular island provides an opportunity for landscaping and/or gateway feature to enhance the community.

PROJECT SCOPE

Expenditures	Total Budget	Scheduled Year		Plan Year		Plan Year		Plan Year	
		2014	2015	2016	2017	2018	2019	2020	2021
Design	227	29	23		175				
Land & Right of Way	251					251			
Construction	1,500					500	1,000		
Contingency	212					112	100		
Total Expenditures	2,190	29	23	175	863	1,100	-	-	-

ANNUAL ALLOCATION

Funding Sources	Total Budget	Scheduled Year		Plan Year		Plan Year		Plan Year	
		2014	2015	2016	2017	2018	2019	2020	2021
Traffic Impact Fees - City Wide	227								
Traffic in-Lieu	783								
State of Washington Grants (Unconfirmed)	1,180								
Total Funding	2,190	29	23	175	863	1,100	-	-	-

Barnes Creek Trail



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Barnes Creek Trail	319,345
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CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

SR 509 right-of-way from south 216th Street to Kent-Des Moines Road. A 2 mile multi-use trail connecting to the Des Moines Creek Trail in the north and Highline College at the south end.

Justification/Benefits: The need for extension of roadways, the Barnes Creek Trail, storm water improvements and other public facilities along the Historic SR509 right of way between Kent Des Moines Road and S. 216th Street is identified in the City of Des Moines Comprehensive Transportation Plan, 2009 and the City of Des Moines Highest and Best Use Analysis of the Historic SR 509 Corridor, 2009. The analysis divided the corridor into three segments assessing the City's future needs.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	1,064	268	473	323					
Land & Right of Way	-								
Construction	4,600					1,800	1,200	1,000	600
Contingency	-								
Total Expenditures	5,664	268	473	323	-	1,800	1,200	1,000	600

Funding Sources		ANNUAL ALLOCATION						
Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
REET	905			284		243	162	135
King County Park Levy	288							81
Transport CIP Fund	68							
Local Grants (County, etc.)	44							
Federal Grants (2015-16 Secured)	4,359	42	318	20		1,557	1,038	865
Total Funding	5,664	442	318	304	-	1,800	1,200	1,000

Redondo Board Walk Replacement



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Redondo Board Walk Replacement

319.615

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replace Boardwalk with improved design. FHWA 86.5% for grant funding total of \$285K is confirmed. The rest of the grant funding is still in application status.

Justification/Benefits: In late November of 2014, the Boardwalk was severely damaged by a storm and has been closed until permanent repairs can be made. The Boardwalk is one of the highest pedestrian use locations in the City with peak hour counts as high as 600 pedestrians per hour. The Boardwalk is a regional attraction for tourists and waterfront activity.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Scheduled Date 12/31/14	Plan Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	380		380						
Land & Right of Way	-								
Construction	3,270				3,270				
Contingency	450				450				
Total Expenditures	4,100			380	3,720				

Funding Sources		ANNUAL ALLOCATION							
Total Budget	Scheduled Date 12/31/14	Plan Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	
REET		493		43	450				
State of Washington (Earmark \$1.5m/TIB \$360K)		1,860			1,860				
Federal Grants		1,747		337	1,410				
Total Funding		4,100		380	3,720				

S 224th St Improvements



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

S 224th St Improvements **319.336**

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Improvements identified for South 224th Street are for a "Type A" street including curbs, gutters, wide sidewalks, and bike lanes. This project includes design, environmental analysis, and preparation of plans, specifications, and estimates by a consultant. In-lieu fees have been obtained and will fund the design as well as the construction.

Justification/Benefits: This project has been identified as one of the Pacific Ridge Neighborhood Mitigation Project. Sidewalks are lacking completely on the north side of 224th Street and there is currently an incomplete section of sidewalk on the south side. This sidewalk will provide a safer pedestrian connection between 30th Ave South and Pacific Highway South.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	114		114						
Land & Right of Way	35				35				
Construction	390				390				
Contingency	75				75				
Total Expenditures	614				114	500			

Funding Sources		Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Traffic Impact Fees - Pac Ridge	614								
Total Funding	614				606	8	8	-	-

South 268th Street Sidewalk



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

South 268th Street Side walk

319.614

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Install sidewalks on the north side of South 268th Street between 16th Ave South and Pacific Highway South, with a portion of sidewalk on the south side from 18th Ave South to Pacific Highway South. This project does not underground the utilities.

Justification/Benefits: S. 268th Street is a Neighborhood Collector Arterial connecting Pacific Highway South and 16th Avenue South. Currently there are open ditch sections on the north and south sides of 268th and no existing sidewalks west of 19th Ave South. South 268th Street is also used by elementary students to walk to Woodmont Elementary on 16th Ave South.

PROJECT SCOPE

<i>Expenditures</i>	<i>Total Budget</i>	<i>Project to Date</i>	<i>Scheduled Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>
		12/31/14	2015	2016	2017	2018	2019
Design	95		60		35		
Land & Right of Way	-						
Construction	425				425		
Contingency	60				60		
Total Expenditures	580			60	520		

ANNUAL ALLOCATION

<i>Funding Sources</i>	<i>Total Budget</i>	<i>Project to Date</i>	<i>Scheduled Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>
		12/31/14	2015	2016	2017	2018	2019
ASE (Automatic Speed Enforcement) GF X-fer	60			60			
REET	89				89		
State of Washington Grants (Confirmed)	431			60	371		
Total Funding	580			60	520		

16th Ave - Seg 5A



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

16th Ave - Seg 5A*Summary Project Description:*

South 272nd Street to approximately 1000 feet south of S 272nd Street. Install curbs, gutters, sidewalks, enclosed drainage system and bike lanes along both sides of the street. Improve existing lighting and install left turn lane. Cost estimates reflect overhead utilities. Undergrounding utilities would be a significant increase. This project coordinates with Segment 5B.

CIP Category: Transportation - Capital Project
Managing Department: Plan, Build & PW Admin

Justification/Benefits: The need for pedestrian facilities is identified in the City's Comprehensive Transportation Plan and 6 Yr TIP. This corridor has numerous single-family developments that generate pedestrian traffic along the shoulder of the road. It is used to access schools, parks, churches and shopping areas. 16th Ave is classified as a principal arterial and is identified as a pedestrian walkway route. Future growth will highlight the need for separated pedestrian facilities. This project also improves mobility and safety by adding left turn lanes and improving street lighting.

PROJECT SCOPE

Expenditures	Total Budget	ANNUAL ALLOCATION				
		Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018
Design	220			129	91	
Land & Right of Way	42					42
Construction	967					
Contingency	100					
Total Expenditures	1,329			129	91	42
						692
						375
						-

Funding Sources

Funding Sources	Total Budget	ANNUAL ALLOCATION				
		Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018
Traffic Impact Fees - City Wide	144					
MCI	91	91				
Traffic in-Lieu	1,094	129				
Total Funding	1,329	220				
					42	102
						590
						375
					42	692
						375
						-

SeaTac Signal Improvements



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
 (Amount in Thousands)

SeaTac Signal Improvements	319.613
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CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

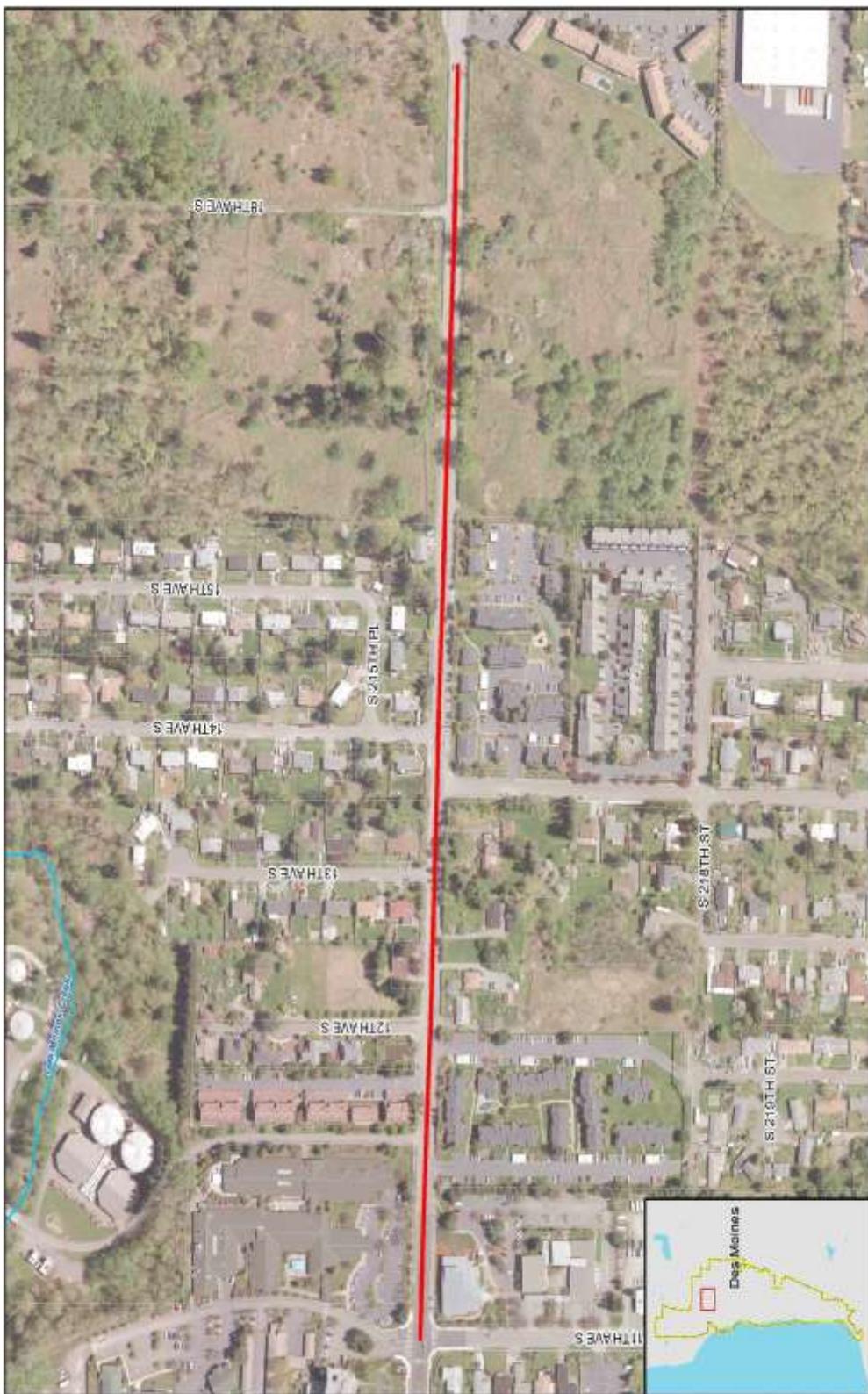
Des Moines Memorial Dr and South 200th Street. 1/4th cost of total improvements to install left turn lanes at all four approaches with curb, gutter and sidewalk. City of SeaTac is lead agency; project represents Des Moines share payable to Sea Tac.

Justification/Benefits: Des Moines Memorial Dr and South 200th Street lack left turn pockets on all four legs as well as sidewalks and bike lanes.

PROJECT SCOPE		ANNUAL ALLOCATION							
<i>Expenditures</i>	<i>Total Budget</i>	<i>Scheduled Date</i> 12/31/14	<i>Plan Year</i> 2015	<i>Plan Year</i> 2016	<i>Plan Year</i> 2017	<i>Plan Year</i> 2018	<i>Plan Year</i> 2019	<i>Plan Year</i> 2020	<i>Plan Year</i> 2021
Design	50					50			
Land & Right of Way	-								
Construction	300					100	200		
Contingency	-								
Total Expenditures	350					150	200	-	-

Funding Sources		<i>Project to Date</i> 12/31/14	<i>Scheduled Year</i> 2015	<i>Plan Year</i> 2016	<i>Plan Year</i> 2017	<i>Plan Year</i> 2018	<i>Plan Year</i> 2019	<i>Plan Year</i> 2020	<i>Plan Year</i> 2021
Traffic Impact Fees - City Wide	350								
State of Washington Grants (Unconfirmed)									
Total Funding	350					150	200	-	-

South 216th - Segment 3



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

South 216th - Segment 3 319,334

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Widen roadway to provide center turn lane, bike lanes, curb, gutter and sidewalks between 11th Ave South and 19th Avenue South. If grant is unavailable then debt financing would be required or project schedule would need to be adjusted.

Justification/Benefits: The need for pedestrian facilities along South 216th Street is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. South 216th Street has numerous multi-family developments that generate pedestrian traffic along the shoulder of the road. Pedestrians use this route to access bus stops, city buildings, and the Pacific Highway and Marine View Drive corridors.

PROJECT SCOPE

<i>Expenditures</i>	<i>Total Budget</i>	<i>Project to Date</i>	<i>Scheduled Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>
		<i>12/31/14</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>2019</i>
Design	520				270	250	
Land & Right of Way	100					100	
Construction	4,350					1,365	2,985
Contingency	450					150	300
Total Expenditures	5,420				270	1,865	3,285

Funding Sources

<i>Funding Sources</i>	<i>Total Budget</i>	<i>Project to Date</i>	<i>Scheduled Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>	<i>Plan Year</i>
		<i>12/31/14</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>	<i>2018</i>	<i>2019</i>
Traffic Impact Fees - City Wide	420				80	190	150
CDBG (Unconfirmed)	-						
Traffic in-Lieu (Port)	1,300					950	350
State of Washington Grants (Unconfirmed)	3,700					190	725
Federal Grants	-						
Private Contributions	-						
Total Funding	5,420				270	1,865	3,285

Redondo Area Street Improvements



**CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Redondo Area Street Improvements	319.610
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CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Project will install approximately nine street lights in the Redondo neighborhood area. The power will need to be extended underground to serve these new lights. The lights will be installed and maintained by Intolight (lighting division of PSE).

Justification/Benefits: The need for street lighting was identified in the Redondo Parking Management Study as a safety enhancement. There were several existing streets that had little to no lighting.

PROJECT SCOPE			ANNUAL ALLOCATION					
Expenditures	Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
Total Budget	12/31/14	2015	2016	2017	2018	2019	2020	2021
Design	10					10		
Land & Right of Way	-							
Construction	60					60		
Contingency	-							
Total Expenditures	70					70		

Funding Sources			Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year
Total Budget	12/31/14	2015	2016	2017	2018	2019	2020	2021
Redondo Zone Parking Transfer	70						70	
Total Funding	70					70		

South 240th Street Improve - Seg 1



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

South 240th Street Improve - Seg 1	319.206
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CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Justification/Benefits: The need for pedestrian and bicycle facilities along South 240th Street is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. South 240th Street has residential properties and Highline College that generate pedestrian and bicycle traffic along the shoulder of the road. Pedestrians use this route to access bus stops, Highline College, and the Pacific Highway Corridor.

Roadway widening is needed to increase capacity as well as develop a complete street serving vehicles, pedestrians, bicycles and transit.

PROJECT SCOPE

	<i>Expenditures</i>	ANNUAL ALLOCATION				
		<i>Project to Date</i> <i>12/31/14</i>	<i>Scheduled Year</i> <i>2015</i>	<i>Plan Year</i> <i>2016</i>	<i>Plan Year</i> <i>2017</i>	<i>Plan Year</i> <i>2018</i>
Design	435					435
Land & Right of Way	200					200
Construction	5,265					5,265
Contingency	400					100
Total Expenditures	6,300					735
						5,565

Funding Sources

	<i>Total Budget</i>	ANNUAL ALLOCATION				
		<i>Project to Date</i> <i>12/31/14</i>	<i>Scheduled Year</i> <i>2015</i>	<i>Plan Year</i> <i>2016</i>	<i>Plan Year</i> <i>2017</i>	<i>Plan Year</i> <i>2018</i>
Local Grants (County, etc.)	3,380					365
State of Washington Grants (Unconfirmed)	2,670					370
Private Contributions	250					250
Total Funding	6,300					735
						5,565

South 240th Street Improve - Seg 2



**CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

South 240th Street Improve - Seg 2 319.207

CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Widen roadway to three lanes between Marine View Drive and 16th Ave South and provide a continuous center turn lane, bike lanes, transit stops, curb, gutter and planters.

Justification/Benefits: The need for pedestrian and bicycle facilities along South 240th Street is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. South 240th Street has residential properties and Highline College that generate pedestrian and bicycle traffic along the shoulder of the road. Pedestrians use this route to access bus stops, Highline College, and the Pacific Highway Corridor. Roadway widening is needed to increase capacity as well as develop a complete street serving vehicles pedestrians, bicycles and transit.

Project Scope							Annual Allocation						
Expenditures			Total Budget	Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
				12/31/14	2015	2016	2017	2018	2019	2020	2021		
Design		335										335	
Land & Right of Way		50										50	
Construction		4,165										4,165	
Contingency		300										50	250
Total Expenditures		4,850										435	4,415
Funding Sources							Plan Year						
			Total Budget	Project to Date	Scheduled Year	Plan Year	2017	2018	2019	2020	2021		
				12/31/14	2015	2016							
Traffic in-Lieu		2,900										235	2,665
State of Washington Grants (Unconfirmed)		1,750										200	1,550
Total Funding		4,850										635	4,415

Kent-Des Moines Rd - Seg 2



**CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)**

Kent-Des Moines Rd - Seg 2	319.344
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CIP Category: Transportation - Capital Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Widen roadway to 5 lanes between 24th Avenue South and Pacific Highway South and provide a continuous center turn lane, bike lanes, transit stops, curb, gutter and planters.

Justification/Benefits: The need for pedestrian and bicycle facilities along Kent-Des Moines Road is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. Kent-Des Moines Rd has numerous multi-family developments, that generate pedestrian and bicycle traffic along the shoulder of the road. Pedestrians use this route to access bus stops, Highline College, and the Pacific Highway Corridor. Roadway widening is needed to increase capacity as well as develop a complete street serving vehicles pedestrians, bicycles and transit.

PROJECT SCOPE

Expenditures	Total Budget	ANNUAL ALLOCATION							
		Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	485								485
Land & Right of Way	500								500
Construction	5,815								5,815
Contingency	400								400
Total Expenditures	7,200								- 7,200

Funding Sources

Funding Sources	Total Budget	ANNUAL ALLOCATION							
		Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Traffic Impact Fees - City Wide	330								330
Traffic in-Lieu	20								20
Local Grants (County, etc.)	3,600								3,600
State of Washington Grants (Unconfirmed)	3,000								3,000
Private Contributions	250								250
Total Funding	7,200								- 7,200

Dock Electrical Replacements



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Dock Electrical Replacements	C5.ST.5A.13.01
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CIP Category: Marina Capital Improvements

Managing Department: Marina

Summary Project Description:	
Install new shore power pedestals and distribution wiring on docks H,I,J,K and L.	

Justification/Benefits: The new electrical wiring will reduce the risk of fire as well as provide upgraded service to Marina tenants. These docks are 45 years old and still have the original shore power boxes and wiring. Most of the shore power boxes have been upgraded to 30 amps from the original 15 amp service to meet the demands of the new boats but the wiring has not been replaced with larger wire size to accommodate the increased demand.

PROJECT SCOPE		ANNUAL ALLOCATION								
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	
Design	-						-			
Land & Right of Way	-						-			
Construction	300				60	60		60	60	60
Contingency	-						-			
Total Expenditures	300				60	60		60	60	60

Funding Sources		ANNUAL ALLOCATION								
Funding Sources	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	
Marina Rates	300				60	60		60	60	60
Total Funding	300				60	60		60	60	60

Fuel Dispenser



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Fuel Dispenser	CP5,ST,5A,14,01	<p><i>Summary Project Description:</i></p> <p>Replace fuel dispensers.</p> <p>CIP Category: Marina Capital Improvements</p> <p>Managing Department: Marina</p>
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Justification/Benefits: By 2018 the fuel dispensers will be 20 years old. The dispensers are essentially a small computer in a stainless steel box. They are now obsolete. New dispensers will allow the Marina to take advantage of the latest technology and software for controlling fuel inventory.

Barnes Crk/Kent-Des Moines Rd Culvert



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Barnes Crk/Kent-Des Moines Rd Culvert	CIP:14.15.STR
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CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Project improvements will include the installation of 80 to 100 feet of 48-inch or 60-inch diameter culvert or possibly the construction of a box culvert, depending on the method of construction and current fisheries requirements. Due to the depth of culvert and the high traffic of Kent-Des Moines Road, use of boring or other trench-less technology will be explored. The dramatic elevation change from upstream to downstream and the need to moderate velocity for fish passage may require that a special energy dissipater and/or fish ladder be installed at the culvert outlet.

Justification/Benefits: This culvert replacement is needed to convey peak predicted flows without flooding Kent-Des Moines Road. At this point a new 42- to 48-inch reinforced concrete pipe culvert is planned to replace the existing undersized culvert. However, the new pipe size will need to be designed to meet current Hydraulic Code to allow both high- and low-flow fish passage. An energy dissipater will be included at the downstream end of the culvert (with a fish ladder). This project was identified in the Lower Massey Creek Basin Plan and Alternative Analysis. The timing of this project was based on the outcome of a culvert survey made in 2004 to determine the condition of the culvert.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	325	17	85	223	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-
Construction	934	-	-	-	-	-	-	-	-
Contingency	335	-	-	9	100	226	-	-	-
Total Expenditures	1,594	17	94	323	1,160	-	-	-	-

Funding Sources		Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Surface Water Utility	1,594	17	94	323	1,160	-	-	-	-
Total Funding	1,594	17	94	323	1,160	-	-	-	-

Lower Massey Creek Channel Modifications



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Lower Massey Creek Channel Modifications	451.821
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CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

This project involves widening the Massey Creek channel between 10th Avenue South and the Taco Time property east of Marine View Drive, berming the north side of the creek, constructing a sheetpile floodwall on the south side of the creek, installing a small pump station, installing native plantings along the stream, removing invasive species and installing stream fish habitat features such as woody debris, stream boulders and bank logs. External funding is provide from King County with two grants: \$200K Flood Reduction Grant and \$196 Regional Opportunity Grant.

Justification/Benefits: The purpose of the improvements is to enhance habitat along this portion of Massey Creek improve flood capacity of the channel and reduce intersection flooding at Kent-Des Moines Road and Marine View Drive. Land for this project was purchased in 1998. This project is identified in the 1992 Massey Creek Basin Plan and the 1994 Lower Massey Creek Flood Alternative Analysis.

PROJECT SCOPE

Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	373	260	113						
Land & Right of Way	-								
Construction	1,129				1,129				
Contingency	407			50	357				
Total Expenditures	1,909	260	163	1,486	-	-	-	-	-

Funding Sources

Funding Sources	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Surface Water Utility	1,513	260	163	1,090					
To Be Determined	-								
Local Grants (County, etc.)	396								
State of Washington Grants (Unconfirmed)	-								
Federal Grants	-								
Private Contributions	-								
Debt Proceeds	-								
Total Funding	1,909	260	163	1,486	-	-	-	-	-

24th Ave Pipeline Replacement/Upgrade



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

24th Ave Pipeline Replacement/Upgrade	451.606
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CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replacement of existing 12-inch storm drainage system on 24th Avenue from S. 224th to S. 227th Street with approximately 1100 feet of 36-inch pipe.

Justification/Benefits: During major storms the drainage system along the east side of 24th Avenue between S. 226th and S. 227th overflows to the pipe system on the west side. These overflows bypass the trunk system which conveys flows to the City Park detention facility and flood properties south of 227th south of Pacific Middle School. This project is recommended in the 1992 Massey Creek Basin Plan.

PROJECT SCOPE

	<i>Total Budget</i>	ANNUAL ALLOCATION				
		<i>Project to Date 12/31/14</i>	<i>Scheduled Year 2015</i>	<i>Plan Year 2016</i>	<i>Plan Year 2017</i>	<i>Plan Year 2018</i>
Design	20		8	12		
Land & Right of Way	-					
Construction	192			192		
Contingency	48			48		
Total Expenditures	260	-	8	252	-	-

Funding Sources

	<i>Total Budget</i>	ANNUAL ALLOCATION				
		<i>Project to Date 12/31/14</i>	<i>Scheduled Year 2015</i>	<i>Plan Year 2016</i>	<i>Plan Year 2017</i>	<i>Plan Year 2018</i>
Surface Water Utility	260		8	252		
Total Funding	260	-	8	252	-	-

Pipe Replacement Program



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

Pipe Replacement Program **451.826**

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replacement of existing pipes based on customer request and video based condition assessment.

Justification/Benefits: A video assessment of existing storm drain pipes is scheduled to begin in 2015. From the assessment a prioritized list of pipes needing replacement will be developed along with estimated costs.

PROJECT SCOPE		ANNUAL ALLOCATION							
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Design	190					38	38	38	38
Land & Right of Way	-								
Construction	920						230	230	230
Contingency	251					11	60	60	60
Total Expenditures	1,361					49	328	328	328

Funding Sources		Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021
Surface Water Utility	1,361					49	328	328	328
Total Funding	1,361					49	328	328	328

1st Ave Pond Expansion



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

1st Ave Pond Expansion	451.823
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CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

<i>Summary Project Description:</i>	
Expand existing pond at 1st Ave and 4th Ave S, North Hill Area by 1.9 acre feet.	

Justification/Benefits: The existing 199th trunk line was reviewed for capacity in the Normandy Park Comprehensive Plan - Normandy Creek/Upper Basin. The trunk line was found to be undersized (for most storms) for 200 feet, aged for the remaining sections and does not meet current design standards. The increased size will alleviate local flooding that occurs in the upper basin of Normandy Creek. In order to provide mitigation for downstream impacts, the 1st Avenue Pond that is currently owned by Normandy Park will need to be expanded. An interlocal agreement will need to be made with Normandy Park for the expansion project as well as for the long-term maintenance of the facility. Roughly 50% of the basin area is within Des Moines city limits. The cost for the land (\$42,500 purchased in 2000) has been deducted from Des Moines' share of the cost.

<i>PROJECT SCOPE</i>		<i>ANNUAL ALLOCATION</i>						
<i>Expenditures</i>	<i>Project to Date 12/31/14</i>	<i>Scheduled Year 2015</i>	<i>Plan Year 2016</i>	<i>Plan Year 2017</i>	<i>Plan Year 2018</i>	<i>Plan Year 2019</i>	<i>Plan Year 2020</i>	<i>Plan Year 2021</i>
Design	47					47		
Land & Right of Way	-							
Construction	259						259	
Contingency	79					13	66	
Total Expenditures	385					60	325	-
<i>Funding Sources</i>		<i>ANNUAL ALLOCATION</i>						
<i>Funding Sources</i>	<i>Project to Date 12/31/14</i>	<i>Scheduled Year 2015</i>	<i>Plan Year 2016</i>	<i>Plan Year 2017</i>	<i>Plan Year 2018</i>	<i>Plan Year 2019</i>	<i>Plan Year 2020</i>	<i>Plan Year 2021</i>
Surface Water Utility	150					30	120	
Local Grants (County, etc.)	235					30	205	
Total Funding	385					60	325	-

5th Ave/212th Street Pipe Upgrade



CITY OF DES MOINES
2016-2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

5th Ave/212th Street Pipe Upgrade	451
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CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replacement of approximately 2,630 feet of cmp pipe with new 1,700 feet of 12-inch pipe and 930 feet of 18-inch pipe in the North Hill area in the vicinity of 212th Street and 5th Avenue South.

Justification/Benefits: This project will replace over 2,000 feet of aged corrugated metal pipe and upgrade over 900 feet of pipe to 18-inch pipe that has inadequate capacity during major storms. During two major storm events in 2013 and 2014, the pipe system overflowed creating significant erosion near the starway at 212th Street and Des Moines Memorial Drive. The project will connect to the DMMID pipe upgrade installed in 2014. This project is identified as a high-priority project (CIP-16) in the 2015 Stormwater Comprehensive Plan.

PROJECT SCOPE			ANNUAL ALLOCATION						
<i>Expenditures</i>	<i>Total Budget</i>	<i>Scheduled Date 12/31/14</i>	<i>Plan Year 2015</i>	<i>Plan Year 2016</i>	<i>Plan Year 2017</i>	<i>Plan Year 2018</i>	<i>Plan Year 2019</i>	<i>Plan Year 2020</i>	<i>Plan Year 2021</i>
Design	161							161	
Land & Right of Way	-								
Construction	529							529	
Contingency	125							125	
Total Expenditures	815							815	

<i>Funding Sources</i>	<i>Total Budget</i>	<i>Scheduled Date 12/31/14</i>	<i>Plan Year 2015</i>	<i>Plan Year 2016</i>	<i>Plan Year 2017</i>	<i>Plan Year 2018</i>	<i>Plan Year 2019</i>	<i>Plan Year 2020</i>	<i>Plan Year 2021</i>
Surface Water Utility	815							815	
Total Funding	815							815	

N. Fork McSorley Ck Diversion



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

N. Fork McSorley Ck Diversion	451
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CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

This project proposes to install a diversion structure on 20th Ave. S. between S. 244th Pl. and 245th Pl. From the diversion structure a new 24-in storm bypass pipe will be installed on the west side of 20th Avenue, turn west and follow the south side of 245th Pl and then to McSorley Creek. This project also includes pavement restoration, replacement of curb and gutter and minimal dredging of McSorley Creek and bank stabilization near the discharge point of the bypass pipe.

Justification/Benefits: When the Des Moines Trace Subdivision was developed in the early 1980's a segment of the north fork of McSorley Creek was relocated to a narrow rock lined channel within a 15-foot wide drainage easement along the north side of the subdivision (lots 14 through 25). Over time this channel has filled in with sediment and is overgrown with canary reed grass causing the channel to overtop and flood both the subdivision lots and the adjacent properties to the north. This project will provide a flow diversion whereby normal flows will continue into the creek section but high flows are bypassed to a lower point in the channel. As part of this project, the channel section across lots 17-25 will be dredged. This is a high-priority project (CIP-30) identified in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE		ANNUAL ALLOCATION								
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	
Design	85									85
Land & Right of Way	-									
Construction	281									281
Contingency	66									66
Total Expenditures	432									432

Funding Sources		ANNUAL ALLOCATION								
Expenditures	Total Budget	Project to Date 12/31/14	Scheduled Year 2015	Plan Year 2016	Plan Year 2017	Plan Year 2018	Plan Year 2019	Plan Year 2020	Plan Year 2021	
Surface Water Utility	432									432
Total Funding	432									432

6th Ave/239th Pipe Replacement



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

6th Ave/239th Pipe Replacement

451

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

This project proposes to replace the existing 8-inch drainage system on the west side of 6th Ave S. and connect to the drainage system on 239th Street. This project will also install a new 18-inch HDPE storm drain outfall from 239th St. to Puget Sound. The stairway above the outfall pipe will be replaced as part of this project.

Justification/Benefits: During major storms the drainage system the small 8-inch conveyance system within 6th Avenue S. is overcome and overflows into the properties on the west side of the street. In addition, the outfall pipe from S. 239th is comprised of coated corrugated steel pipe that has separated in the lower section of the pipe that leads over the bank to the sound. This project proposes to upgrade the 8-inch pipe on 6th Avenue to standard 12-inch and replace the corrugated steel outfall pipe with HDPE pipe. This project also proposes to replace the stairway that is located above the outfall pipe. This is a high-priority project (CIP-39) listed in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE		ANNUAL ALLOCATION					
Expenditures	Total Budget	Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year
		12/31/14	2015	2016	2017	2018	2019
Design	38						38
Land & Right of Way	-						
Construction	124						124
Contingency	29						29
Total Expenditures	191						191

Funding Sources		Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year
	Total Budget	12/31/14	2015	2016	2017	2018	2019
Surface Water Utility	191						191
Total Funding	191						191

14th Ave (268th to 272nd) Pipe Upgrade



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

14th Ave (268th to 272nd) Pipe Upgrade	451
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CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

This project proposes to upgrade the ditch and driveway culvert system along the west side of 14th Avenue with a new storm pipe as well as replace the existing culverts below 272nd Street and 268th Street. This project includes 900 linear of 36-inch diameter pipe, 6 manhole structures, an outfall dissipator, and minimal road restoration.

Justification/Benefits: The culvert below 272nd Street is not sufficiently sized and is too shallow. During major storms the pipe system leading from the Redondo Rivera subdivision (south of 272nd) backs up creating significant flooding within the subdivision particularly in the vicinity of 275th Place and 15th Place. North of 272nd St., the drainage system on 14th Avenue is comprised of a shallow ditch system with driveway culverts that are easily blocked exacerbating the problem south of 272nd Street. There is also significant erosion due to a drop of grade at the downstream end of the culvert at S. 268th Street. This project proposes to replace the culverts at 272nd Street and 268th Street and install a new 36-inch pipe system on the west side of 14th Avenue from 272nd Street to 270th Street. This project is a high-priority project (CIP-36) listed in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE						
Expenditures	Total	Scheduled Date	Plan Year	Plan Year	Plan Year	Plan Year
	Budget	12/31/14	2015	2016	2017	2018
Design	94					94
Land & Right of Way	-					
Construction	310					310
Contingency	74					74
Total Expenditures	478					478

Funding Sources						
Surface Water Utility	Total	Scheduled Date	Plan Year	Plan Year	Plan Year	Plan Year
	Budget	12/31/14	2015	2016	2017	2018
Surface Water Utility	478					478
Total Funding	478					478

216th Pl./ Marine View Dr. Pipe Upgrade



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

216th Pl. Marine View Dr. Pipe Upgrade

451

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

This project proposes to upgrade the ditch along Des Moines Memorial Drive with 300 linear feet of new 18-inch diameter pipe and connecting to 170 linear feet of new larger 24-inch diameter storm system crossing the intersection of MVD (216th Place). The project also proposes to pipe the ditches on the west side of 6th Avenue connecting to the new pipe system on DMMD.

Justification/Benefits: Previous upgrades have occurred within the storm system downstream of the project and west of the project along 216th Place. This project proposes to upsize the 18-inch crossing at Marine View Drive to 24-inch as well as pipe the ditch along Des Moines Memorial Drive. Along the storm segment below MVD near the border of Normandy Park and Des Moines is a buried inaccessible structure that may become blocked with debris and cause backup and flooding of the intersection and overflow to areas of recent landslide activity. This project will be coordinated with the City of Normandy Park (cost share for the portion of project within Normandy Park not shown). This is a high-priority project (CIP-17) listed in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE

Expenditures	Total Budget	ANNUAL ALLOCATION						
		Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
		2015	2016	2017	2018	2019	2020	2021
Design	61							61
Land & Right of Way	-							
Construction	200							200
Contingency	48							48
Total Expenditures	309							309

Funding Sources

Funding Sources	Total Budget	ANNUAL ALLOCATION						
		Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year	Plan Year
		2015	2016	2017	2018	2019	2020	2021
Surface Water Utility	309							
Total Funding	309							309

KDM /16th Avenue Pipe Replacement



DES MOINES IMPROVEMENT PLAN (Thousands)

KDM /16th Avenue Pipe Replacement 451

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replace approximately 300 feet of existing roadside ditch (east of 16th Avenue) along KDM Road with 24-inch storm pipe and connect to existing 18-inch culvert crossing KDM Rd at 16th Avenue. Install 50 feet new 24-inch storm drain southwest of KDM Road connecting to existing 18-inch culvert crossing and replace 350 feet of existing 24-inch corrugated metal pipe with larger 36-inch pipe downstream of the culvert crossing.

Justification/Benefits: During major storm events the capacity of the existing drainage system along Kent-Des Moines Road and the highway crossing will be exceeded causing runoff to overflow across KDM and flood the property downstream. In addition, the system on that property (located within a public drainage easement) that intercepts flows is also insufficiently sized and is prone to overtopping. This project proposes to replace the undersized pipes with 24-inch and 36-inch diameter pipes. This is a high-priority project (CIP-25A) listed in the 2015 SWM Comprehensive Plan and to be coordinated with projects CIP-4 and CIP-25B that would take a portion of the flows west to a new outfall pipe at Barnes Creek rather than up sizing the 18-inch corrugated aluminum crossing below KDM Road.)

Funding Sources		Total Budget	272	272
Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year
12/31/14	2015	2016	2017	2018
Surface Water Utility				
Total Funding				

DMMDD 208th to 212th Pipe Project



CITY OF DES MOINES
2016 -2021 CAPITAL IMPROVEMENT PLAN
(Amount in Thousands)

DMMD 208th to 212th Pipe Project

451

CIP Category: Surface Water Mgmt

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replace approximately 1500 feet of existing roadside ditch and corrugated metal pipe along the west side of Des Moines Memorial Drive from 208th Street to 212th Street. Includes installation of 14 manhole structures and minimal road restoration.

Justification/Benefits: The ditch and culvert system along the west side of Des Moines Memorial Drive is insufficient to convey a 25-year storm causing water to pool in the south bound lane of Des Moines Memorial Drive. This project proposes to replace the existing corrugated metal pipe and ditch system with approximately 1500 feet of new 18-inch pipe that would connect to the pipe replacement work made on Des Moines Memorial Drive in 2014. This project is a high priority project (CIP-18) listed in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE

Expenditures	Total Budget	ANNUAL ALLOCATION					
		Project to Date	Scheduled Year	Plan Year	Plan Year	Plan Year	Plan Year
12/31/14	2015	2016	2017	2018	2019	2020	2021
Design	119						119
Land & Right of Way	-						
Construction	391						391
Contingency	93						93
Total Expenditures	603						603

Funding Sources

Total Budget	ANNUAL ALLOCATION						
	Project to Date	Scheduled Year	Plan Year				
12/31/14	2015	2016	2017	2018	2019	2020	2021
Surface Water Utility	603						603
Total Funding	603						603

GLOSSARY OF TERMS

ADA: Acronym for “Americans with Disabilities Act.”

ARRA: Acronym for “American Recovery and Reinvestment Act” or commonly referred to as *The Stimulus* or *The Recovery Act*

ASARCO: Acronym for “American Smelting and Refining Company.”

ASE: Acronym for “Automated Speed Enforcement” Program, which addresses traffic safety in school zones: 1) Woodmont Elementary School (16th Avenue South); and 2) Midway Elementary School and Pacific Middle School (24th Avenue South).

BFP: Boating Facilities Program state grant, administered by the Washington State Recreation and Conservation Office (RCO).

BRAC: Acronym for “Bridge Replacement Advisory Committee,” which advises WSDOT’s Highways and Local Programs (H&LP) Director to help inform the selection of bridge projects for funding from WSDOT’s Highway Bridge Program (HBP).

CDBG: Acronym for “Community Development Block Grant.”

CIP: Acronym for “Capital Improvement Plan.”

CMAQ: Acronym for “Congestion Mitigation and Air Quality.”

CTED: Acronym for “Community, Trade and Economic Development.”

Capital Expenditure: An expenditure which leads to the acquisition of a physical asset with a cost between \$5,000 and \$25,000 and a useful life of at least one year. Such expenditures are charged through an individual department’s operating budget and do not include those provided for in the Capital Improvement Plan project budget.

Capital Facility: A structure, improvement, piece of equipment or other major asset, including land, that has a useful life of at least five years. Capital facilities are provided by or for public purposes and services.

Capital Improvement: A project to create, expand, or modify a capital facility. The project may include design, permitting, environmental analysis, land acquisition, construction, landscaping, site improvements, initial furnishings and equipment and studies related to need and implementation. The project cost must exceed \$25,000 and have a useful life of five years.

Capital Improvement Plan: An approach or technique for identifying and forecasting capital outlay decisions that a government expects to make over a six year period.

Capital Outlay: Expenditures that result in the acquisition of or addition to capital assets.

Capital Project: The largely one-time cost for acquisition, construction, improvement, replacement or renovation of land structures and improvements thereon.

Comprehensive Plan: A method to utilize and strengthen the existing role, processes, and powers of local governments to establish and implement comprehensive planning programs which guide and control future development.

Contingency: A budgetary reserve set aside for emergency or unanticipated expenditures.

DMLF: Acronym for “Des Moines Legacy Foundation.”

DMMD: Acronym for “Des Moines Memorial Drive.”

Debt: An obligation resulting from the borrowing

Debt Service: The payment of principal and interest on borrowed funds and required contributions to accumulate monies for future retirement of bonds.

Debt Reserve: Monies restricted for the payment of principal and interest on outstanding bonds, usually based on the average annual debt service due on the outstanding bonds. A bond covenant that provides additional security for bond holders.

DOE: Acronym for “Department of Ecology.”

EDA: Acronym for “Economic Development Administration.”

EBCBG: Acronym for “Energy Efficiency and Conservation Block Grant Program” which provides funds used for energy efficiency and conservation programs and projects community wide, as well as renewable energy installations on government buildings.

Expenditure/Expense: This term refers to the outflow of funds paid for an asset obtained or goods and services obtained.

FEMA: Acronym for “Federal Emergency Management Agency.”

FHWA: Acronym for “Federal Highway Administration.”

Fund: A fiscal/accounting entity that is established to accomplish specific objectives and carry out specific activities. The operation of each fund is accounted for by providing a separate set of self-balancing accounts that comprise its assets, liabilities, fund equity, revenues and expenditures.

Fund Balance: Fund equity that reflects the accumulated excess of revenues and other financing sources over expenditures and other uses.

General Fund: The General Fund accounts for all revenues and expenditures not required to be accounted for in another fund. As is usual in state and local governments, it is the largest and most important accounting entity of the City.

General Governmental: The term describes funding and programs related to activities such as public safety, parks, transportation, and public health. Revenues to support such activities are generated primarily from taxes and user fees.

General Obligation Bonds: Bonds that finance a variety of public projects that are backed by the full faith and credit of the issuing government.

GIS: Acronym for “Geographical Information System.”

GO: Acronym for “General Obligation” Bonds.

Grant: A contribution by Federal, State, and other jurisdiction or organization to support a particular function.

HES: Acronym for “Hazard Elimination Safety.”

HOV: Acronym for “High Occupancy Vehicle.”

HSPF: Acronym for “Hydrological Simulation Program – Fortran.”

HVAC: Acronym for “Heating, Ventilating, and Air Conditioning.”

IAC: Acronym for Washington State Interagency Committee for Outdoor Recreation. This agency now is called Recreation and Conservation Office (RCO).

ILA: Acronym for “Interlocal Agreement”.

Impact Fees: A payment of money imposed by the City upon development activity as a condition of issuance of a building permit to pay for public facilities needed to serve new growth and development, and to mitigate the impacts of the development activity on the existing public facilities.

Infrastructure: The physical assets of a government (e.g., streets, bridges, water, sewer, storm systems, public buildings, parks, etc.).

In-Lieu: A payment alternative for funding capital expenditures.

Interfund Transfer: The movement of monies between funds of the same government entity.

ISTEA: Acronym for “Intermodal Surface Transportation Efficiency Act of 1991”.

KDM: Acronym for “Kent Des Moines” Road.

Level of Service: A quantifiable measure of the amount of public facility that is provided. Typically, measures of levels of service are expressed as ratios of facility capacity to demand.

LID: A Local Improvement District, or special assessments made against certain properties to defray part or all of the cost of a specific improvement or service deemed to primarily benefit those properties.

MCI: Acronym for “Municipal Capital Improvement” Fund.”

Ordinance: A formal legislative enactment by the governing body of a municipality. If it is not in conflict with any higher form of law, such as a state statute or constitutional provision, it has the full force and effect of law within the boundaries of the municipality to which it applies.

POS: Acronym for “Port of Seattle.”

PSE: Acronym for “Puget Sound Energy.”

Pac Hwy: Pacific Highway South.

Park In-Lieu Fees: A voluntary payment of money from a subdivision or multi-family development as an alternative to providing open space or park land for recreation purposes.

Pay-As-You-Go Basis: A term used to describe the financial policy of a government that finances all of its capital outlays from current revenues rather than borrowing. A government that pays for some improvements from current expenses and by borrowing is said to be on a modified pay-as-you-go basis.

Program: A distinct function of city government provided to the public or a function providing support to the direct services of other city departments.

Proprietary: The term describes funding and programs related to government owned public facilities that serve the public such as water, sewer, and surface water utilities, or recreation facilities such as marinas. Revenues to support such activities are generated primarily from user rates.

Public Facilities: Streets, roads, highways, bridges, sidewalks, street and road lighting systems, traffic signals, domestic water systems, storm and sanitary sewer systems, and parks and recreational facilities, including the necessary ancillary and support facilities under the ownership of the City of Des Moines or other government entity.

Public Services: Fire protection and suppression, law enforcement, public health, education, recreation, environmental protections, and other governmental services.

PWTF Loan: Acronym for “Public Works Trust Fund Loan”.

RAB: Acronym for “Round-a-bout.”

RCO: The Washington State Recreation and Conservation Office (formerly the Office of the Interagency Committee, also known as IAC).

REET: Acronym for “Real Estate Excise Tax”.

ROW: Right-of-Way

Resolution: A special or temporary order of a legislative body; an order of a legislative body requiring less legal formality than an ordinance or statute.

Revenue: Money that flows into the local government. It is recurring if it is received on a consistent basis (e.g., sales taxes and property taxes) and nonrecurring if it is received irregularly (e.g., federal and state grants).

Revenue Bonds: Revenue bonds are used for such public projects that will generate revenue producing facilities. Unlike general obligation bonds, revenue bonds are not backed by the full financial resources of the jurisdiction. Instead, security is offered by pledging revenues generated from the new facility.

SJUM: Acronym for “Steven J. Underwood Memorial” Park.

SRTS: Acronym for “Safe Routes to School.”

STP: Acronym for “Surface Transportation Program.”

SWM: Acronym for “Surface Water Management” Fund.”

Tax: Compulsory charge levied by a government to finance services performed for the common benefit.

TEA21: Acronym for “Transportation Equity Act for the 21st Century.”

TIA: Acronym for “Transportation Improvement Account.”

TIB: Acronym for “Transportation Improvement Board,” an independent state agency that makes and manages street construction and maintenance grants throughout Washington State.

TPP: Acronym for “Transportation Partnership Program.”

User Fee: The payment of a fee for a direct receipt of a public service by the party benefiting from the service.

WRIA: Acronym for “Water Resource Inventory Area.”

WSDOT: Acronym for “Washington State Department of Transportation.”